



# **STIC Search Report**

## **EIC 3600**

**STIC Database Tracking Number: 101289**

**TO: Susanna Diaz**  
**Location: PK5 7T04**  
**Art Unit : 3623**  
**Thursday, August 21, 2003**

**Cas Serial Number: 09/819827**

**From: Ginger Roberts DeMille**  
**Location: EIC 3600**  
**PK5-Suite 804**  
**Phone: 305-5774**

**Ginger.roberts@uspto.gov**

### **Search Notes**

Dear Examiner Diaz:

Please find attached the results of your search for 09/819827.

The search was conducted using the mandatory database lists for Business Methods.

These other sources were also used: Internet, STN

If you have any questions, please do not hesitate to contact me.

Thanks for using EIC3600!

Ginger



Search Report from Ginger R. DeMille

? show files

File 47:Gale Group Magazine DB(TM) 1959-2003/Aug 12  
(c) 2003 The Gale group  
File 88:Gale Group Business A.R.T.S. 1976-2003/Aug 20  
(c) 2003 The Gale Group  
File 141:Readers Guide 1983-2003/Jul  
(c) 2003 The HW Wilson Co  
File 148:Gale Group Trade & Industry DB 1976-2003/Aug 20  
(c)2003 The Gale Group  
File 484:Periodical Abs Plustext 1986-2003/Aug W3  
(c) 2003 ProQuest  
File 545:Investext(R) 1982-2003/Aug 21  
(c) 2003 Thomson Financial Networks  
File 608:KR/T Bus.News. 1992-2003/Aug 21  
(c)2003 Knight Ridder/Tribune Bus News  
File 654:US PAT.FULL. 1976-2003/Aug 19  
(c) FORMAT ONLY 2003 THE DIALOG CORP.  
File 702:Miami Herald 1983-2003/Aug 20  
(c) 2003 The Miami Herald Publishing Co.  
File 733:The Buffalo News 1990- 2003/Aug 19  
(c) 2003 Buffalo News

? ds

Set	Items	Description
S1	14	TOLL? ?(2S)ACCOUNTING(2S)(CHARGE? OR CHARGING OR PAY OR PA- YING OR PAID OR DEBIT? OR DEDUCT?) (3W) (TWICE OR DOUBLE OR TWO- ( )TIMES)
S2	10	RD (unique items)

? t2/3,k/all

2/3,K/1 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

05328478 SUPPLIER NUMBER: 54098104 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The GDP Myth. (gross domestic product; questionable whether economic growth  
is inherently good)**

ROWE, JONATHAN; SILVERSTEIN, JUDITH  
Washington Monthly, 31, 3, 17(1)  
March, 1999

ISSN: 0043-0633 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4142 LINE COUNT: 00310

... in the economics textbooks but not in the world we inhabit. W.  
Steven Albrecht, an **accounting** professor at Brigham Young University,  
estimates that white-collar fraud costs us some \$200 billion...

...telemarketing fraud alone.

In an era of deregulation and belief in benign "market forces," the  
**toll** gets steadily worse. Phone bills and the like have become  
horrendously complex, for example. The...

...Today we literally have to pay for access to our own money, and  
increasingly we **pay twice**.

The average bank customer in the United States pays over \$150 a year  
in ATM...

2/3,K/2 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

121-Aug-0310:45 AM

Search Report from Ginger R. DeMille

06195628      SUPPLIER NUMBER: 13413213      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**900 numbers: if they're good enough for the Pope, are they good enough for you? (Audiotex) (Cost-Cutting Strategies)**  
Profit-Building Strategies for Business Owners, v22, n10, p11(1)  
Oct, 1992  
ISSN: 0889-9967      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 733      LINE COUNT: 00056

... for businesses and professionals offering certain types of information to the general public: medical, legal, **accounting**, and insurance advice, stock quotes, media searches, sports scores, dating services. Also available: ski-condition...

...another layer of cost. Some companies that couldn't service all the calls on their **toll** -free line can now afford to accommodate their customers with the 900 program, even when...

**2/3,K/3      (Item 2 from file: 148)**  
DIALOG(R) File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

02177484      SUPPLIER NUMBER: 03498807      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**When private deals are worth the risk.**  
Eisenberg, Richard.  
Money, v13, p201(5)  
Nov, 1984  
ISSN: 0149-4953      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 3012      LINE COUNT: 00229

**2/3,K/4      (Item 1 from file: 545)**  
DIALOG(R) File 545:Investext(R)  
(c) 2003 Thomson Financial Networks . All rts. reserv.

0015825777  
**SPANISH CONSTRUCTION - MAY 2002**  
BNP/PARIBAS  
O'SHEA, C.  
FRANCE

DATE: May 1, 02  
INVESTEXT(tm) REPORT NUMBER: 8601449, PAGE 105 OF 125, TEXT/TABLE PAGE  
This is a(n) INDUSTRY report.

TEXT:

... extreme climatological conditions in Canada will inevitably induce higher ongoing maintenance costs.

In terms of **accounting** policies, Ferrovial will treat the motorway as if it were a Spanish concession. The size of the concession renders particularly timely the advent of new **accounting** legislation pertaining to motorways, enabling financial costs and reversion provisions to be linked to revenue...

...the profit and loss at such a rate as to mirror the build-up of **toll** revenues.

This is of particular relevance to Ferrovial at this juncture, on

account of its...

...effect on the group results.

Ferrovial separately disclosed the financial charge relating to the Canadian **toll** motorway in its 1999 accounts. Ferrovial did avail of the option of matching costs with...

... to the Euro15m charged to the profit and loss account, were deferred/capitalised under this **accounting** method. The inclusion of the Canadian motorway, which came on stream in May, and that...

**2/3,K/5 (Item 2 from file: 545)**

DIALOG(R)File 545:Investext(R)

(c) 2003 Thomson Financial Networks . All rts. reserv.

00707355

**H.F.Ahmanson - Company Report**

SMITH BARNEY, HARRIS UPHAM & CO.

Treadway, P.

NEW YORK

DATE: January 31, 89

INVESTEXT(tm) REPORT NUMBER: 905131, PAGE 1 OF 3, TEXT/TABLE PAGE

This is a(n) COMPANY report.

TEXT:

...Spreads and margins declined as the lagging 11th District Cost of Funds Index took its **toll** . But simple arithmetic suggests that there's a positive flip side to come on spreads...

...a hefty \$45 million.

4. Reflecting so-so secondary market conditions at its super-conservative **accounting** procedures (there's no zeal like that of a convert!). Ahmanson reported only \$2.9...

**2/3,K/6 (Item 1 from file: 608)**

DIALOG(R)File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06564248 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Providence Journal-Bulletin, R.I., MoneyLine Column**

Neil Downing

Providence Journal-Bulletin R I

June 14, 1998

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 2002

...TEXT: income tax.

Another thing you may wish to consider is legal advice. Series HH bonds **pay** interest **twice** a year, either by check or by direct deposit. It's not clear whether these...are technically known as "contributory public employee retirement plans," said Tockman, who runs his own **accounting** pratice in Canton, Mass.

Nor does Massachusetts tax its residents who receive payments from such

...



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...800-481-3700 from 8:30 a.m. to 4 p.m. business days. (The toll -free number serves Rhode Island communities outside the Providence dialing area.)

As of late last...

2/3,K/7 (Item 2 from file: 608)

DIALOG(R) File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

00348817 Story Number: 12060 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**AT&T ADS TRUMPET AMERITECH'S COMPUTER BILLING GLITCHES**

Tracy Dell'Angela and Jon Van

Chicago Tribune

July 4, 1996 17:04 E.T.

DOCUMENT TYPE: Newspaper RECORD TYPE: Fulltext LANGUAGE: English

WORD COUNT: 633

...TEXT: were afflicted with a computer error that caused some local calls to be billed as toll calls and

some toll calls to be billed as local calls.

The result was overcharges on some customer bills and undercharges on others.

Some AT&T customers saw the mistakes because their toll calls are itemized, said CUB's Clark, but Ameritech customers were less likely to see the problem because Ameritech doesn't usually itemize toll calls. Clark said

CUB is advising consumers concerned about their bills to ask Ameritech for an

itemized **accounting**, something the company is required to provide at no **charge twice** a year.

Ameritech isn't sure how many customers were affected by the glitches during...

2/3,K/8 (Item 1 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4580127 \*\*IMAGE Available

Derwent Accession: 2002-009477

**Utility**

E/ **Method and apparatus for controlling rating of calls to pay services**

Inventor: Kaweck, Michael Anthony, South Bound Brook, NJ

Scott, Michael Anthony, Matawan, NJ

Assignee: AT&T Corp. (02), New York, NY

AT&T Corp (Code: 16046)

Examiner: Nguyen, Duc (Art Unit: 273)

Assistant Examiner: Barnie, Rexford

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6298126	A	20011002	US 97991399	19971216

Fulltext Word Count: 7097

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Description of the Invention:

...Referring to FIG. 1, a **toll** -network system shown generally at 100 connects a calling party with a called service provider...

...POT) 110, and is connected through a local exchange carrier (LEC) 120, to an originating **toll** switch (OTS) 130, in the present embodiment, a Lucent Technologies' #4 Electronic Switching System (#4ESS...

...computer called a network control point (NCP) 140. OTS 130 is connected to a terminating **toll** switch TTS 150, in the present embodiment, also a #4ESS. TTS 150 routes the call...other embodiments, the calling party is connected directly to the OTS. Also, although only two **toll** switches, OTS 130 and TTS 150, are shown in a real network, many **toll** switches may be involved in making the connection between OTS 130 and TTS 150. These **toll** switches may be interconnected by fiber optic channels (not shown), satellite, radio, or other communication...NCP 140 may be connected to many **toll** switches other than OTS 130, as shown. NCP 140 is a shared system that contains...195. Billing platform 185 calculates bills to the customer making the call from automatic message **accounting** (AMA) record generated by AMA recorder 133 connected to OTS 130 and from billing data...

...The user interacting with support system 195 can be either a person working for the **toll** company on behalf of a sponsor or a sponsor itself. Support system 195 is accessible...NCP 140 is a resource shared by many **toll** switches such as OTS 130 and TTS 150. Preferably more than one NCP device will...

...as via a secure access thorough the Internet, or indirectly by making requests to the **toll** company which makes the modifications for the sponsor. In this way, credit information required to...325 which zeros out the call rate to the operator so the caller is not **charged twice** (since the ...the service provider to bill the caller's credit card instead of relying on the **toll** company which may or may not be able to collect since the caller's ANI...2. Originating LEC 120 recognizes the number as one for the **toll** company providing 900 service to sponsors. Originating LEC 120 then routes the call to OTS...NCP 140 and billing platform 185. At S1, the user (the sponsor itself or a **toll** -company employee running the GUI on the sponsor's behalf) is prompted to indicate whether...other methods described with reference to FIG. 9. Predefined plans could be defined by the **toll** company as recommended plans or defined by the sponsor and stored for later selective implementation...

2/3,K/9 (Item 1 from file: 702)

DIALOG(R) File 702:Miami Herald

(c) 2003 The Miami Herald Publishing Co. All rts. reserv.

06018561

**SOME DEDUCTIONS CHANGE EACH YEAR TO REFLECT INCREASES IN COST OF LIVING**

MIAMI HERALD (MH) - MON March 18, 1991

By: MYRON LUBELL Herald Columnist

Edition: FINAL Section: BUSINESS Page: 43BM

Word Count: 316

...of which method is selected, an additional deduction may also be claimed for parking fees, **tolls** and interest attributable to the business use of an automobile.

You cannot use the standard...

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...for a \$30,000 or \$60,000 auto, the actual cost method typically produces a **deduction** that is almost **double** the standard mileage allowance.

Myron Lubell is a certified public accountant and associate professor of...

2/3,K/10 (Item 1 from file: 733)

DIALOG(R)File 733:The Buffalo News

(c) 2003 Buffalo News. All rts. reserv.

05513152

**IT'S TIME TO ASK ALBANY HARD QUESTIONS ABOUT BOND ISSUES**

BUFFALO NEWS (BN) - SUNDAY January 14, 1990

By: PAUL MacClennan

Edition: Final Section: Viewpoints Page: H12

Word Count: 1,161

... reporting at least once every three months -- and it would be nice to see an **accounting** for the past five bond act funds.

Costs -- Every bond act exacts its **toll**. In this case, we may **pay double** the cost of purchasing land at already inflated prices. Cuomo has tried unsuccessfully to move...  
?

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show files

File 9:Business & Industry(R) Jul/1994-2003/Aug 20  
(c) 2003 Resp. DB Svcs.  
File 16:Gale Group PROMT(R) 1990-2003/Aug 20  
(c) 2003 The Gale Group  
File 20:Dialog Global Reporter 1997-2003/Aug 21  
(c) 2003 The Dialog Corp.  
File 148:Gale Group Trade & Industry DB 1976-2003/Aug 20  
(c)2003 The Gale Group  
File 180:Federal Register 1985-2003/Aug 20  
(c) 2003 format only The DIALOG Corp  
File 258:AP News Jul 2000-2003/Aug 21  
(c) 2003 Associated Press  
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers  
File 545:Investext(R) 1982-2003/Aug 21  
(c) 2003 Thomson Financial Networks  
File 608:KR/T Bus.News. 1992-2003/Aug 21  
(c)2003 Knight Ridder/Tribune Bus News  
File 619:Asia Intelligence Wire 1995-2003/Aug 20  
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File 624:McGraw-Hill Publications 1985-2003/Aug 20  
(c) 2003 McGraw-Hill Co. Inc  
File 626:Bond Buyer Full Text 1981-2003/Aug 21  
(c) 2003 Bond Buyer  
File 631:Boston Globe 1980-2003/Aug 20  
(c) 2003 Boston Globe  
File 635:Business Dateline(R) 1985-2003/Aug 20  
(c) 2003 ProQuest Info&Learning  
File 642:The Charlotte Observer 1988-2003/Aug 20  
(c) 2003 Charlotte Observer  
File 654:US PAT.FULL. 1976-2003/Aug 19  
(c) FORMAT ONLY 2003 THE DIALOG CORP.  
File 706:(New Orleans)Times Picayune 1989-2003/Aug 20  
(c) 2003 Times Picayune  
File 713:Atlanta J/Const. 1989-2003/Aug 21  
(c) 2003 Atlanta Newspapers  
File 719:(Albany) The Times Union Mar 1986-2003/Aug 20  
(c) 2003 Times Union  
File 727:Canadian Newspapers 1990-2003/Aug 21  
(c) 2003 Southam Inc.  
File 728:Asia/Pac News 1994-2003/Aug W3  
(c) 2003 Dialog Corporation  
File 736:Seattle Post-Int. 1990-2003/Aug 20  
(c) 2003 Seattle Post-Intelligencer  
File 738:(Allentown) The Morning Call 1990-2003/Aug 20  
(c) 2003 Morning Call  
File 743:(New Jersey)The Record 1989-2003/Aug 19  
(c) 2003 No.Jersey Media G Inc  
File 756:Daily/Sunday Telegraph 2000-2003/Aug 21  
(c) 2003 Telegraph Group  
File 781:ProQuest Newsstand 1998-2003/Aug 20  
(c) 2003 ProQuest Info&Learning  
File 992:NewsRoom 2003/Jan-Mar  
(c) 2003 The Dialog Corporation  
File 993:NewsRoom 2002/  
(c) 2003 The Dialog Corporation  
File 994:NewsRoom 2001  
(c) 2003 The Dialog Corporation  
File 995:NewsRoom 2000  
(c) 2003 The Dialog Corporation

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Set	Items	Description
S1	58	NON()TOLL(10N) (BOOTH? OR ZONE? OR LANE?)
S2	45	RD (unique items)
? t2/3,k/all		

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? show files

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200353  
(c) 2003 Thomson Derwent  
File 344:Chinese Patents Abs Aug 1985-2003/Mar  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)  
(c) 2003 JPO & JAPIO  
File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.  
File 348:EUROPEAN PATENTS 1978-2003/Aug W02  
(c) 2003 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20030814,UT=20030807  
(c) 2003 WIPO/Univentio  
File 2:INSPEC 1969-2003/Aug W2  
(c) 2003 Institution of Electrical Engineers  
File 35:Dissertation Abs Online 1861-2003/Jul  
(c) 2003 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2003/Aug W3  
(c) 2003 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jul  
(c) 2003 The HW Wilson Co.  
File 233:Internet & Personal Comp. Abs. 1981-2003/Jul  
(c) 2003, EBSCO Pub.  
File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Jul  
(c)2003 Info.Sources Inc  
File 474:New York Times Abs 1969-2003/Aug 20  
(c) 2003 The New York Times  
File 475:Wall Street Journal Abs 1973-2003/Aug 20  
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 15:ABI/Inform(R) 1971-2003/Aug 20  
(c) 2003 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2003/Aug 20  
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File 148:Gale Group Trade & Industry DB 1976-2003/Aug 20  
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File 160:Gale Group PROMT(R) 1972-1989  
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File 275:Gale Group Computer DB(TM) 1983-2003/Aug 20  
(c) 2003 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Aug 20  
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File 20:Dialog Global Reporter 1997-2003/Aug 21  
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File 476:Financial Times Fulltext 1982-2003/Aug 21  
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File 610:Business Wire 1999-2003/Aug 21  
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File 634:San Jose Mercury Jun 1985-2003/Aug 20  
(c) 2003 San Jose Mercury News  
File 636:Gale Group Newsletter DB(TM) 1987-2003/Aug 20  
(c) 2003 The Gale Group  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

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File 63:Transport Res(TRIS) 1970-2003/Jul  
 (c) fmt only 2003 Dialog Corp.  
 File 8:Ei Compendex(R) 1970-2003/Aug W2  
 (c) 2003 Elsevier Eng. Info. Inc.  
 File 94:JICST-EPlus 1985-2003/Aug W3  
 (c)2003 Japan Science and Tech Corp(JST)  
 File 62:SPIN(R) 1975-2003/Jul W1  
 (c) 2003 American Institute of Physics  
 File 144:Pascal 1973-2003/Aug W2  
 (c) 2003 INIST/CNRS

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Set	Items	Description
S1	14	AU=(KAKIHARA OR FURATA OR TERADA OR AOKI OR MASAKI OR YASU- YUKI OR MARUHIKO OR YASUYUKI) AND TOLL? ?
S2	14	RD (unique items)
S3	3975353	ACCOUNTING
S4	802871	TOLL
S5	3224	(TRACK? OR MONITOR? OR DETECT? OR SENS? OR WATCH? OR TRACE? OR TRACING) (5N) (VEHICE? ? OR CAR OR CARS OR AUTOMOBILE? ?) (5- N) (MOVEMENT? ? OR ENTRY? OR ENTER? OR EXIT? OR REENTR? OR REE- NTER?)
S6	0	S3(S)S4(S)S5
S7	0	S3(3S)S4(3S)S5
S8	61	S4(3S)S5
S9	51	RD (unique items)

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? t9/3,k/all

**9/3,K/1 (Item 1 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

015338958 \*\*Image available\*\*

WPI Acc No: 2003-399896/200338

**Toll collection system for toll road using rf ticket**

Patent Assignee: PEOPLE & TECH CO LTD (PEOP-N)

Inventor: JUNG J G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003009587	A	20030205	KR 200144090	A	20010723	200338 B

Priority Applications (No Type Date): KR 200144090 A 20010723

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2003009587	A	1	G07B-015/00	

Abstract (Basic):

... a car sensor(31) which is located in front of admission part of tollgate and **detects** a model of **entering car** and whether the **car enters** or not; a ticket issuing device(33) which receives an information of **entering car** from the **car sensor** and issues a RF ticket in which tollgate number and **car** model are recorded, to driver of **car entering** a **toll** road; RF ticket readers(34,36) which is located at exit of tollgate and reads...

...number and car model; and a gate terminal(30) which determines a used section of **toll** road by using RF ticket information read by the RF ticket reader and informs a fare corresponding to the used section of **toll** road to driver by money indicators(35,37...

**9/3,K/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014927704 \*\*Image available\*\*

WPI Acc No: 2002-748411/200281

**Toll calculation system using dsrsc**

Patent Assignee: LG ELECTRONICS INC (GLDS )

Inventor: CHOI G J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002046223	A	20020620	KR 200178243	A	20011211	200281 B

Priority Applications (No Type Date): KR 200075190 A 20001211

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002046223	A	1	G07B-015/00	

Abstract (Basic):

... The electronic **toll** calculation system comprises a **car sensor** (130) for **sensing** the kind of **entering cars** ; first and second DSRC base stations(120, 150) for communicating with an ETC terminal equipped...



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...car received from the first DSRC base station into an internal memory device, calculates the **toll** from the user's identification number received from the second DSRC base station and collects the **toll** ; and guide displays(110, 140) for displaying the remainder and whether or not the card...

**9/3,K/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014927413 \*\*Image available\*\*

WPI Acc No: 2002-748120/200281

**Wireless automatic electronic toll collection system**

Patent Assignee: LG ELECTRONICS INC (GLDS )

Inventor: CHOI G J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002045679	A	20020620	KR 200074955	A	20001209	200281 B

Priority Applications (No Type Date): KR 200074955 A 20001209

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002045679	A	1	G07B-015/00	

Abstract (Basic):

... wireless automatic ETC system comprises an ETC terminal; a first DSRC base station(101); a **sensor** for **sensing** the kind of **entering cars** (102); a first driver guide display(104); a central process server(111); a second driver...

...121). The ETC system comprises a first pico net for transmitting the information for collecting **toll** by bluetooth protocol; a second pico net for controlling the display of **toll** information and the picture-taking by bluetooth protocol; a third pico net(120) for receiving and transmitting the system application information by bluetooth protocol; and a **toll** calculation server(12) which is connected with the second and third pico nets...

**9/3,K/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014538352 \*\*Image available\*\*

WPI Acc No: 2002-359055/200239

**Toll billing system with non-contact card based**

Patent Assignee: KDE INC (KDEK-N); KDE COM JH (KDEC-N)

Inventor: HYUN U H; HYUN W H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001108650	A	20011208	KR 200029284	A	20000530	200239 B
KR 341677	B	20020622	KR 200029284	A	20000530	200281

Priority Applications (No Type Date): KR 200029284 A 20000530

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001108650	A	1	G07B-015/00	
KR 341677	B		G07B-015/00	Previous Publ. patent KR 2001108650

Search Report from Ginger R. DeMille

Abstract (Basic):

... The **toll** billing system with the non-contact card based comprises the parts of: a terminal for collecting **toll** (100) which includes an antenna for non-contact card communication(4), a **toll** display(2), a balance display(3) and a calculation display(11) to control; a **sensor** for **car** model(5) which **senses cars entering** from a front **toll** booth to deliver toward a terminal controller(1); a breaker controller(6) which is controlled by the terminal controller when a **toll** is normally treated at the terminal for collecting **toll** ; a collection system for transaction data(9) which receives transaction data treated in the terminal for collecting **toll** and bases on the data to write yearly, monthly and weekly account report; and a...

9/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014253022 \*\*Image available\*\*

WPI Acc No: 2002-073722/200210

**Method for collecting toll road nonstop charges by system for identifying smart card and car license number plate**

Patent Assignee: KANG H I (KANG-I)

Inventor: CHOI T W; KANG H I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001074253	A	20010804	KR 200123929	A	20010503	200210 B

Priority Applications (No Type Date): KR 200123929 A 20010503

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001074253	A	1	G07B-015/00	

Abstract (Basic):

... In the method for collecting **toll** road nonstop charges by the system for identifying the smart card and the car license...

...system and is connected to the bank network system(8) and the antenna of each **toll** gate(31, 32). The optical **sensor** (2) **detects entry** of **cars** . A camera(5) takes a photograph of the **car** license number plate. The illumination(9) is installed near the camera(5) for gaining the...

...4). The low frequency coil(7) is installed on the floor and sends an extra **toll** gate identifier...

9/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014093936 \*\*Image available\*\*

WPI Acc No: 2001-578150/200165

XRPX Acc No: N01-430066

**Highway driving safety and automatic toll charging system - mainly consists of a highway driving safety system and an automatic highway toll charging system**

Search Report from Ginger R. DeMille

Patent Assignee: CHANG H (CHAN-I)

Inventor: CHANG H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TW 430775	A	20010421	TW 2000114287	A	20000717	200165 B

Priority Applications (No Type Date): TW 2000114287 A 20000717

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
TW 430775	A		G07B-015/00	

Abstract (Basic):

... The present invention relates to a highway driving safety and automatic **toll** charging system, especially a system having improved highway **toll** charging and driving safety devices. It mainly consists of a highway driving safety system and an automatic highway **toll** charging system. The highway driving safety system comprises four parts, including **car** receivers, roadside equipment, **exit** reminders, and **monitoring** center. The automatic highway **toll** charging system, applying combination of infrared rays and radio waves, also comprises four major parts...

...statistic center. By the combination of such systems, the present invention can provide fairness in **toll** charging, reduce occurrence of accidents, and increase driving speed.

9/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013151990 \*\*Image available\*\*

WPI Acc No: 2000-323862/200028

XRPX Acc No: N00-243533

**Lane monitoring system has display unit which displays type of car information based on progress condition of vehicle towards entrance and exit port of lane**

Patent Assignee: TOSHIBA KK (TOKE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000099874	A	20000407	JP 98265083	A	1998091	200028 B

Priority Applications (No Type Date): JP 98265083 A 19980918

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000099874	A	11	G08G-001/015	

Abstract (Basic):

... An ITV camera (31) picks image of vehicles entering into lane (C) of **toll** road. Vehicle **detector** (10) **detects** the vehicles **entered** into lane. **Car type detector** (30) distinguishes type of each **car** in the lane, and the car type is displayed. The superimposition display is changed based...

9/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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Search Report from Ginger R. DeMille

012309547      \*\*Image available\*\*

WPI Acc No: 1999-115653/199910

XRPX Acc No: N99-085251

**GPS based car mounted navigation apparatus - includes running path  
judging unit which judges whether car has entered into toll road  
based on detection result indicating whether ticket is issued or not by  
ticket issuing unit**

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10339645	A	19981222	JP 97149635	A	19970606	199910 B

Priority Applications (No Type Date): JP 97149635 A 19970606

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10339645	A	10	G01C-021/00	

**... includes running path judging unit which judges whether car has  
entered into toll road based on detection result indicating whether  
ticket is issued or not by ticket issuing unit**

**9/3,K/9      (Item 1 from file: 347)**

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

06665368      \*\*Image available\*\*

TOLL COLLECTION SYSTEM AND TOLL COLLECTION METHOD

PUB. NO.: 2000-251192 [JP 2000251192 A]

PUBLISHED: September 14, 2000 (20000914)

INVENTOR(s): KUSANO ATSUSHI

APPLICANT(s): TOSHIBA CORP

APPL. NO.: 11-055550 [JP 9955550]

FILED: March 03, 1999 (19990303)

ABSTRACT

... system abnormality in the case that a vehicle separation phenomenon is generated by the erroneous **detection** of a tow **car** advancing to the **exit** lane of an ETC(electronic **toll** collection) system.

SOLUTION: This ETC system is provided with plural vehicle detectors 21-23 for detecting a vehicle passing on a lane for collecting a **toll**, an antenna 11 and an antenna control part 12 for performing radio communication with the...

**9/3,K/10      (Item 2 from file: 347)**

DIALOG(R)File 347:JAPIO

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04646388      \*\*Image available\*\*

CHARGER AND THE SAME WITH PARKING DEVICE

PUB. NO.: 06-318288 [JP 6318288 A]

PUBLISHED: November 15, 1994 (19941115)

INVENTOR(s): NOGUCHI MASAYOSHI

SAKATA KIYOSHI

Search Report from Ginger R. DeMille

APPLICANT(s): NIPPON SIGNAL CO LTD THE [000465] (A Japanese Company or Corporation), JP (Japan)  
PARK 24 KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 03-072222 [JP 9172222]  
FILED: January 14, 1991 (19910114)

ABSTRACT

...travel or the like or charge payed electricity at the time of parking in a toll parking area...

... and a displayed charging fare is paid, the battery is charged with electricity. When the automobile enters into a parking area, a vehicle sensing part senses its entrance, a stopper is locked to check the exit of the vehicle and a parking fare...

9/3,K/11 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04602825 \*\*Image available\*\*  
UNMANNED SIMPLE ENTERING/LEAVING TOLL PARKING LOT SYSTEM

PUB. NO.: 06-274725 [JP 6274725 A]  
PUBLISHED: September 30, 1994 (19940930)  
INVENTOR(s): FUKUTOME HITOSHI  
APPLICANT(s): MITSUBISHI HEAVY IND LTD [000620] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 05-063821 [JP 9363821]  
FILED: March 23, 1993 (19930323)  
JOURNAL: Section: P, Section No. 1851, Vol. 18, No. 690, Pg. 135, December 26, 1994 (19941226)

ABSTRACT

... entering/leaving system by providing a designated parking lot bulletin board and prepaying the parking toll by a magnetic card at the leaving time...

...CONSTITUTION: A parking lot entry sensor 1 senses a car approaching the gate of the parking lot and outputs a card issuing procedure signal to...

... board 4. When leaving the parking lot, the user can complete payment of the parking toll via a charge box and the magnetic card. This payment processed card is put into...

9/3,K/12 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

03920103 \*\*Image available\*\*  
PARKING FACILITY

PUB. NO.: 04-285203 [JP 4285203 A]  
PUBLISHED: October 09, 1992 (19921009)  
INVENTOR(s): KANAI KENZO  
SAWAZAKI MASAHIRO  
ODA TSUTOMU  
YAMADA KENJI  
FUJII HIROTOMO

Search Report from Ginger R. DeMille

MASATSU JIROU  
APPLICANT(s): KANAI GAKUEN [490738] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 03-051733 [JP 9151733]  
FILED: March 15, 1991 (19910315)  
JOURNAL: Section: M, Section No. 1370, Vol. 17, No. 88, Pg. 115,  
February 22, 1993 (19930222)

ABSTRACT

... the horizontal expansion and contraction of an advance and retreat rod,  
a vehicle detector, a toll adjustment timing device and a parking meter  
...

...CONSTITUTION: When an automobile enters a marking space S, a vehicle  
detector 2 buried in the ground detects the automobile and sends a close  
signal to a toll parking meter 3. The meter 3 sends a close signal to a  
departure stopping machine...

... link 12 is lifted up to check an automobile from getting out. When a  
designated toll is put in a coin timer 31, the timer 31 sends an  
adjustment signal to...

9/3,K/13 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

00096234  
UNMANNED PARKING SYSTEM

PUB. NO.: 52-055234 [JP 52055234 A]  
PUBLISHED: May 06, 1977 (19770506)  
INVENTOR(s): KITAMURA TAKAO  
UEHARA HIDEO  
APPLICANT(s): MITSUBISHI HEAVY IND LTD [000620] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 50-131128 [JP 75131128]  
FILED: October 31, 1975 (19751031)  
JOURNAL: Section: M, Section No. 40, Vol. 01, No. 118, Pg. 3808,  
October 08, 1977 (19771008)

ABSTRACT

PURPOSE: To make a toll parking palce unmanned by systemizing opening and  
shutting of a gate corresponding to detection of enter and exit of a  
car, calculation of fee, issue of balance, fee adjustment and presence of  
receipt.

9/3,K/14 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01593381  
Toll collection system, its mobile terminal and toll processing apparatus,  
terminal processing program for mobile terminal, and record medium  
recording the terminal processing program  
Gebuhrenerfassungssystem und dazugehörige Terminals, Gerat, Programm und  
Aufzeichnungsmedium  
Systeme de perception des droits de peage, ses terminaux, appareil,  
programme et support d'enregistrement

Search Report from Ginger R. DeMille

PATENT ASSIGNEE:

Pioneer Corporation, (2812420), 4-1 Meguro 1-chome, Meguro-ku, Tokyo,  
(JP), (Applicant designated States: all)

INVENTOR:

Shioda, Takehiko, Corp.Res.&Dev.Lab. Pioneer Corp., 1-1 Fujimi 6-chome,  
Tsurugashima-shi, Saitama, (JP)  
Saito, Yukitaka, Corp.Res.&Dev.Lab. Pioneer Corp., 1-1 Fujimi 6-chome,  
Tsurugashima-shi, Saitama, (JP)

LEGAL REPRESENTATIVE:

Haley, Stephen (79721), Gill Jennings & Every, Broadgate House, 7 Eldon  
Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 1320075 A2 030618 (Basic)

APPLICATION (CC, No, Date): EP 2002258266 021129;

PRIORITY (CC, No, Date): JP 2001378091 011212

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-015/00

ABSTRACT WORD COUNT: 144

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200325	1875
SPEC A	(English)	200325	10273
Total word count - document A			12148
Total word count - document B			0
Total word count - documents A + B			12148

...SPECIFICATION the entire content of which is incorporated herein by reference.

This invention relates to a **toll** collection system for collecting a **toll** from each vehicle entering a predetermined area to relieve traffic congestion, improve the air quality, etc., in the predetermined area, a mobile terminal and a **toll** processing apparatus of the **toll** collection system, a terminal processing program for the mobile terminal, and a record medium recording the terminal processing program.

At present, in Tokyo, a **toll** collection system for collecting a **toll** from each automobile entering a predetermined area in which the concentration density of vehicles of...

...intersection of a road extending to the inside of the area and Loop 7, each **automobile** passing through the inside and **entering** the area is **detected** at the gate, and a **toll** is collected from the automobile.

Here, the setup **toll** of an automobile varies depending on the type of automobile, such as a large automobile, a small automobile, or a low-emission vehicle.

In the **toll** collection system as described above, the same **toll** is imposed on the same automobile type regardless of whether the driver performs rough driving...

...insured; this is a problem.

It is an object of the invention to provide a **toll** collection system for making it possible to impose a **toll** responsive to how the driver drives a vehicle in a gentle manner in a predetermined area, a mobile terminal and a **toll** processing apparatus of the **toll** collection system, a terminal processing program for the mobile terminal, and a computer-readable record...

9/3,K/15 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01561141

Hybrid car with navigation system for emission reduction  
Hybridfahrzeug mit Navigationssystem zum Verringern von  
Schadstoffemissionen  
Vehicule hybride avec systeme de navigation pour la reduction des emissions  
de polluants

PATENT ASSIGNEE:

Pioneer Corporation, (2812420), 4-1 Meguro 1-chome, Meguro-ku, Tokyo,  
(JP), (Applicant designated States: all)

INVENTOR:

Shioda, Takehiko, Corp. Research and Development, Lab. of Pioneer Corp,  
1-1, Fujimi 6-chome, Tsurugashima-shi, Saitama, (JP)  
Saito, Yukitaka, Corp. Research and Development, Lab. of Pioneer Corp,  
1-1, Fujimi 6-chome, Tsurugashima-shi, Saitama, (JP)

LEGAL REPRESENTATIVE:

Haley, Stephen (79721), Gill Jennings & Every, Broadgate House, 7 Eldon  
Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 1297982 A2 030402 (Basic)

APPLICATION (CC, No, Date): EP 2002256706 020926;

PRIORITY (CC, No, Date): JP 2001299694 010928

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: B60K-006/04; B60L-011/12; G01C-021/00;

G01S-005/00; G05D-001/00

ABSTRACT WORD COUNT: 129

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200314	957
SPEC A	(English)	200314	9978
Total word count - document A			10935
Total word count - document B			0
Total word count - documents A + B			10935

...SPECIFICATION burned fuel as sources for driving travel wheels, the  
hybrid car including: a restricted area **detecting** unit for **detecting**  
whether a restricted area forbidden for **automobiles** driven by internal  
combustion engines is forward in a direction of **movement** of the hybrid  
**car** or not, and **detecting** arrival of the hybrid car at the restricted  
area; and a travel mode switching unit...

...detected by the restricted area detecting unit.

There is the case where an ETC (Electronic **Toll** Charge system) is  
provided in a **toll** road so that entrance into the **toll** road is  
detected by a receiver which receives electric wave from a transmission  
antenna provided in front of an entrance ramp of the **toll** road.

As the restricted area detecting unit, there can be used a unit which  
has...



9/3,K/16 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01423576

Wireless communication system and method of conducting wireless communication

Drahtloses Kommunikationssystem und Ausführungsverfahren für drahtlosen Kommunikation

Système de communication sans fil et procédé pour effectuer une communication sans fil

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),  
(Applicant designated States: all)

INVENTOR:

Mizukoshi, Yasuhiro, NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,  
Tokyo, (JP)

LEGAL REPRESENTATIVE:

VOSSIUS & PARTNER (100314), Siebertstrasse 4, 81675 München, (DE)

PATENT (CC, No, Kind, Date): EP 1202527 A2 020502 (Basic)

EP 1202527 A3 030709

APPLICATION (CC, No, Date): EP 2001125359 011029;

PRIORITY (CC, No, Date): JP 2000328847 001027

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-029/06

ABSTRACT WORD COUNT: 126

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200218	2372
SPEC A	(English)	200218	8944
Total word count - document A			11316
Total word count - document B			0
Total word count - documents A + B			11316

...SPECIFICATION of such a wireless system is a system for automatically charging an automobile for a toll road fee. In the wireless system between a road and an automobile, a wireless communication...

...wireless system is originally developed for the system for automatically charging an automobile for a toll road fee, the wireless system is designed not to have a network layer. Accordingly, the...

...communication device for making wireless communication with the road. The road includes first means for detecting an automobile entering a service area covered with a plurality of micro-cells, and transmitting a detection signal...

9/3,K/17 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00843347

Moving vehicle specification system including an auxiliary specification function

Eine Spezifizierungs-Hilfsfunktion enthaltendes System zum Spezifizieren  
von sich bewegenden Fahrzeugen  
Systeme de specification pour vehicule roulant comprenant une fonction  
auxiliaire de specification

PATENT ASSIGNEE:

Toyota Jidosha Kabushiki Kaisha, (203745), 1, Toyota-cho, Toyota-shi,  
Aichi-ken 471-71, (JP), (applicant designated states:  
AT;DE;FR;GB;IT;NL;SE)

INVENTOR:

Yagi, Koichi, c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,  
Toyota-shi, Aichi-ken, 471-71, (JP)  
Amano, Hajime, c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,  
Toyota-shi, Aichi-ken, 471-71, (JP)

LEGAL REPRESENTATIVE:

Leson, Thomas Johannes Alois, Dipl.-Ing. et al (78983), c/o TBK-Patent,  
P.O. Box 20 19 18, 80019 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 779600 A2 970618 (Basic)  
EP 779600 A3 990421

APPLICATION (CC, No, Date): EP 96119865 961211;

PRIORITY (CC, No, Date): JP 95323301 951212

DESIGNATED STATES: AT; DE; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: G07B-015/00;

ABSTRACT WORD COUNT: 83

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	288
SPEC A	(English)	EPAB97	4184
Total word count - document A			4472
Total word count - document B			0
Total word count - documents A + B			4472

...SPECIFICATION PRIOR ART

Heretofore, various systems have been proposed for debiting tolls  
against vehicles traveling on **toll** roads. For example, Japanese Patent  
Laid-Open Publication No. Hei 4-34684 discloses a system...

...vehicles entering a tollgate, as well as their lengths and types, and to  
separate and **detect** multiple **cars** **entering** the tollgate  
consecutively. According to the related system, tolls can be debited  
against vehicles moving, for example, on **toll** roads. Furthermore,  
according to this system, the license plate numbers or the portraits of  
drivers of the vehicles forcibly passing through the **toll** bars at the  
tollgate exit can be photographed. However, a major problem of this  
system...

...The results of specifying vehicles, or the results of photographing  
vehicles, for which confirmation that **toll** has been properly imposed  
was not obtained, and their drivers are transmitted to a host...

9/3,K/18 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00423176

Portable type information storing device and information processing device  
using the same.

Tragbarer Informationsspeicher und zugehörige Vorrichtung zur

Informationsverarbeitung.

Dispositif portatif de stockage d'information et dispositif de traitement d'information l'utilisant.

PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku,  
Kawasaki-shi Kanagawa-ken 210, (JP), (applicant designated states:  
DE;FR;GB;IT;NL)

INVENTOR:

Yokota, Yukio, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba,  
1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)

LEGAL REPRESENTATIVE:

Blumbach Weser Bergen Kramer Zwirner Hoffmann Patentanwalte (100371),  
Radeckestrasse 43, W-8000 Munchen 60, (DE)

PATENT (CC, No, Kind, Date): EP 426163 A1 910508 (Basic)

APPLICATION (CC, No, Date): EP 90120926 901031;

PRIORITY (CC, No, Date): JP 89282878 891101

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: G07C-009/00; G06K-007/10;

ABSTRACT WORD COUNT: 63

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	307
SPEC A	(English)	EPABF1	3886
Total word count - document A			4193
Total word count - document B			0
Total word count - documents A + B			4193

...SPECIFICATION the construction of a card treating system (information processing device) such as a charge or toll collecting system in a toll road to which an IC card having a wireless information transmission function as a portable...

...is, a charge collecting machine 2 installed in an charge collecting lane 1 of the toll road defined by curbs 1a and 1b is used to automatically collect a corresponding amount...

...charge/car-type rank (for example, large size, normal size and small size) of the car 3 entering the charge collecting lane 1 according to a sensing signal from the car sensor 11 and the car-type number read by the TV...

9/3,K/19 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00875011 \*\*Image available\*\*

SEMICONDUCTOR STRUCTURE FOR USE WITH HIGH-FREQUENCY SIGNALS

STRUCTURE SEMI-CONDUCTRICE UTILISEE AVEC DES SIGNAUX A HAUTE FREQUENCE

Patent Applicant/Assignee:

MOTOROLA INC A CORPORATION OF THE STATE OF DELAWARE, 1303 East Algonquin Road, Schaumburg, IL 60196, US, US (Residence), US (Nationality)

Inventor(s):

EL-ZEIN Nada, 15005 S. 14th Place, Phoenix, AZ 85048, US,

RAMDANI Jamal, 822 West Devon Drive, Gilbert, AZ 85233, US,

EISENBEISER Kurt, 9442 South Beck Avenue, Tempe, AZ 85284, US,

DROOPAD Ravindranath, 4515 West Tyson Street, Chandler, AZ 85226, US,

Legal Representative:

Search Report from Ginger R. DeMille

WUAMETT Jennifer B (et al) (agent), MOTOROLA INC., Intellectual Property  
Department, AZ 11/56-238, 3102 North 56th Street, Phoenix, AZ 85018, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200209150 A2-A3 20020131 (WO 0209150)

Application: WO 2001US22573 20010718 (PCT/WO US0122573)

Priority Application: US 2000624296 20000724

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16567

Fulltext Availability:

Detailed Description

Detailed Description

... frequency of the received signal (inverted exclamation mark)s slightly  
changed

(Doppler shifted) by the **movement** of the object relative

to the **automobile** . By **detecting** the change in

frequency, the system (inverted exclamation mark)s able to determine the  
speed...

...and may be combined with

collision avoidance systems, intelligent cruise control  
systems, and/or automatic **toll** collecting systems.

Electronic payment systems are in use, or have been  
proposed, that involve the...

...a general proximity.

Such systems associated with automobiles more commonly  
use-RF signals, and include **toll** payment for **toll** roads  
or **toll** bridges, and parking fee payment for entering a  
parking garage. Such systems may alternatively use...

...readers or infra-red (IR). These

systems generally include an interrogator (reader)  
located in the **toll** booth, and a transponder (tag)  
installed on the dashboard, windshield or other location  
on the...

...providing sufficient information

to bill, debit, or charge the owner for the amount of  
the **toll** . Tags may contain only read-only information,  
or may (smart tags) hold information as to...

...user's account. This communication can typically

all take place while an automobile drives through the  
**toll** booth without stopping.

Such a system typically must have some kind of  
enforcement means for...

9/3,K/20 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00383262 \*\*Image available\*\*  
**TELEPHONE OPERABLE GLOBAL TRACKING SYSTEM FOR VEHICLES**  
**SYSTEME DE RECHERCHE MONDIAL DE VEHICULES S'EFFECTUANT PAR TELEPHONE**  
Patent Applicant/Assignee:  
DIMINO Michael,  
Inventor(s):  
DIMINO Michael,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9724005 A1 19970703  
Application: WO 96US19935 19961211 (PCT/WO US9619935)  
Priority Application: US 95655667 19951222  
Designated States: AU CA CN DE GB JP KR NZ AT BE CH DE DK ES FI FR GB GR IE  
IT LU MC NL PT SE  
Publication Language: English  
Fulltext Word Count: 7189

Fulltext Availability:  
Detailed Description

Detailed Description

... whether the alarm of the vehicle  
has been triggered. It can also be programmed to **monitor**  
**movements** of the **car** . Thus, if the **car** has been parked  
and the vehicle alarm has somehow been defeated, a change  
in position...

9/3,K/21 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00692413 93-41634  
**L.A. awaits "smart" highway**  
Daly, James  
Computerworld v27n16 PP: 28 Apr 19, 1993  
ISSN: 0010-4841 JRNL CODE: COW  
WORD COUNT: 640

...TEXT: roadway can handle is expected to be dramatic. While 800 cars  
usually pass through a **toll** lane in one hour, 2,500 cars could pass  
through the Route 91 system each...

...microchip and lithium battery. It costs the driver about \$30.

\* As a car approaches the **toll** road, **sensors** in the pavement let the  
tollway computer know a **car** has **entered** . A transceiver overhead makes  
radio contact with the AVI tag and reads the data stored...

...relayed via fiber optic lines to the highway's control center computers,  
which charge the **toll** against the driver's prepaid account.

\* Surveillance cameras record the license numbers of cars without...  
...whether to raise or lower tolls.

Search Report from Ginger R. DeMille

\* To prevent rush-hour jams from spreading to the toll lanes, planners have formulated a "congestion pricing" scheme that ups the tolls along the road...

9/3,K/22 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

01026854 Supplier Number: 41126782

**Amtech providing vehicle ID system to LA International**

Dallas Business Journal, p7

Jan 22, 1990

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

ABSTRACT:

...International Airport, California. The system will be installed at 10 locations at the airport to **monitor** the **exit** and **entry** of taxicabs, hotel and rental **car** courtesy vans, limousines and buses. The system will be similar to the one Amtech installed...

...Tollway in that it will scan electronic tags in the vehicles and automatically register a **toll** charge. The company hopes that the LAX contract, together with a recent contract to use...

9/3,K/23 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

15843629 SUPPLIER NUMBER: 101938350 (USE FORMAT 7 OR 9 FOR FULL TEXT )

**Playing tag.**

Schachter, Ken

Long Island Business News, 50, 20, 1A(2)

May 9, 2003

ISSN: 0894-4806

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1195 LINE COUNT: 00094

... within buildings. Drivers in the Northeast wave their E-Z Passes as they roll through **toll** plazas. REID tags are being attached to animals' ears or injected ...of putting REID to work in Symbol's domain, the supply chain. That's where **enterprises** -- from retailers to **car** manufacturers -- seek to **track** . The many pieces that come in and go out to their customers.

A report from...

9/3,K/24 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

15168733 SUPPLIER NUMBER: 94040017 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**PR Newswire Photo Advisory for Thursday, November 7, 2002 1 pm.**

PR Newswire, NYPHOTO107112002

Nov 7, 2002

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1188 LINE COUNT: 00109

Search Report from Ginger R. DeMille

... into data and travel INSIDE the computer and the internet in an 8 person Byte- Car (enhanced motion vehicle). Guests enter the monitor , where images are created in your computer. (PRNewsFoto) <http://www.newscom.com/cgi-bin/prnh...>nurse, more than a career, it's an adventure." Posters are also available by calling toll free 866-VPN CHAT. The Virginia Partnership for Nursing seeks students to select nursing as... into data and travel INSIDE the computer and the internet in an 8 person Byte- Car (enhanced motion vehicle). Guests enter the monitor , where images are created in your computer. (PRNewsFoto) 11/07/2002

" CAMBRIDGE CONSUMER CREDIT INDEX...nurse, more than a career, it's an adventure." Posters are also available by calling toll free 866-VPN CHAT. The Virginia Partnership for Nursing seeks students to select nursing as...

9/3,K/25 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

15080362 SUPPLIER NUMBER: 92903987 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
DENSO to Exhibit at the 36th Tokyo Motor Show; Diesel and ITS Technologies to be Featured.

PR Newswire, DEW00216102002

Oct 16, 2002

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 297 LINE COUNT: 00053

... EGR Valve

y Diesel Particulate Filter (Light Dut  
Application)

y Diesel Particulate Filter (Heavy Dut  
Application)

NOx Sensor

A/F Sensor

Exhaust Gas Temperature Sensor

ITS

Car Navigation System  
Navigation System

Worldwide Car

Navigation System

Entry Level Car

NAVISTANT (Navigation Kit for  
Personal Digital Assistants)

Electronic Toll Collection  
(ETC) System

(For Japanese Application)

On-board Equipment with Built-in RF  
Antenna (With...

9/3,K/26 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

14703290 SUPPLIER NUMBER: 87723437 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
As Tire Pressure Decreases to Dangerous Lows, Demand for New Tire Safety Product Increases.

Search Report from Ginger R. DeMille

Business Wire, 0442

June 24, 2002

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 340 LINE COUNT: 00030

... as well as extend the life of your tires," stated Robert DePalma, president of DePalma **Enterprises**, a distributor of Tire Alert.

"With **car** manufacturers required to add air pressure **sensing** devices to **cars** in 2004, the Tire Alert will provide new safety measures to existing vehicles currently on formats. For further information, contact DePalma **toll** free at 866/836-4427 or by e-mail at hiscbd@pacbell.net.

9/3,K/27 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

08174607 SUPPLIER NUMBER: 17523795 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**New, expanded catalog celebrates 10th anniversary of Cinema 8 Video Club.**

Business Wire, p10041006

Oct 4, 1995

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 403 LINE COUNT: 00040

... Camcorders, which have three-or four-inch LCD screens. It's a great way to **entertain** kids on long **car** rides."

In addition to **watching** videos on the go, people with 8mm VCRs or camcorders hooked up to the televisions...

...8 Video Club prices start at \$9.99, and there's no membership fee. The **toll** -free phone number, 1-800-866-7427, is open 24 hours a day, seven days

...

9/3,K/28 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

07750820 SUPPLIER NUMBER: 16677797 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**SAIC SHOWS CRIME-FIGHTING TECHNOLOGY**

PR Newswire, p0317SD002

March 17, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 610 LINE COUNT: 00050

... or trains passing through a specific area. Already in use by several SAIC-equipped automated **toll** collection systems across the United States, the transponders or "tags" are issued to specific vehicles...

...Dr. Donald M. Kerr, executive corporate vice president of SAIC.

SAIC also provides other vehicle **tracking** systems that can **trace** the **movements** of railroad **cars** and **detect** motorists who evade barriers such as railroad grade crossings. The high-technology company also has...

9/3,K/29 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.



Search Report from Ginger R. DeMille

05139010 SUPPLIER NUMBER: 10589231 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Tax experts' tips on walking the 1040 tightrope; our canvass of CPAs and business consultants revealed tax-saving spots in some unlikely places. They may even surprise your adviser. (includes list of tax advisers) (Cover Story)**

Gorlick, Sheldon H.

Medical Economics, v68, n6, p54(12)

March 18, 1991

DOCUMENT TYPE: Cover Story

ISSN: 0025-7206

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3225 LINE COUNT: 00240

... lists his professional-liability insurance separately. Listing insurance this way allows you to reduce the **sensitive car** -expense deduction and keeps the total insurance **entry** within reasonable bounds.

Claim repairs costs if in doubt Some repairs might be considered "leasehold...

...year, he's deducting \$239 of his car expenses on line 6. He estimated his **toll** calls at an additional \$96, for a total of \$335. Improve your real estate deductions...

**9/3,K/30 (Item 8 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

03869163 SUPPLIER NUMBER: 07395609 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Rolling the dice. (Insider) (David Cook)**

Conlin, Elizabeth G.

Inc., v11, n3, p20(1)

March, 1989

ISSN: 0162-8968

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 316 LINE COUNT: 00024

... way. Otherwise, Cook may have to start looking again.

The technology uses radio signals to **monitor** the **movement** of vehicles-- **cars** , for example, as they pass through **toll** gates. Information from vehicle tags is fed to a computer, allowing for automatic billing of...

...we're a home-run company, or we're not."

PHOTO : David Cook at electronic **toll** machine

**9/3,K/31 (Item 1 from file: 160)**

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01157240

**TOLL TICKETS THAT KEEP TABS ON TRAFFIC.**

BUSINESS WEEK (INDUSTRIAL EDITION) March 18, 1985 p. 116k

... an automated fare-collection system that is being used by the Maine Turnpike Authority. The **toll** tickets are run through a laser scanner, which transmits all data including time of entry...

... maintenance can be scheduled more efficiently. The system could also theoretically spot speeders by keeping **track** of the time elapsed from a **car** 's **entry** to its **exit** from the roadway. ...

9/3,K/32 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01891311 SUPPLIER NUMBER: 17990746 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Zero bias detector diodes for the RF/ID market. (HP's HSMS-285x) (includes related article on backscatter RF/ID systems) (Product Announcement)**

Buted, Rolando R..

Hewlett-Packard Journal, v46, n6, p94(4)

Dec, 1995

DOCUMENT TYPE: Product Announcement ISSN: 0018-1153 LANGUAGE:

English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2938 LINE COUNT: 00242

... wood, or other nonmetallic materials. These wireless systems are being successfully used to identify and **track** cattle, household pets, **cars** passing through **toll** booths, supermarket carts, railroad **cars**, and personnel **entering** and leaving secure facilities.

An RF/ID system is composed of two components: a reader...

9/3,K/33 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01365501 SUPPLIER NUMBER: 08599700 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**PA Turnpike collection system keeps up with traffic flow; will deploy**

**Automated Vehicle Identification program next year. (Pennsylvania**

**Turnpike)**

Mahnke, John

MIS Week, v11, n26, p16(2)

June 25, 1990

ISSN: 0199-8838 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1201 LINE COUNT: 00094

ABSTRACT: The Pennsylvania Turnpike has improved traffic flow by training **toll** clerks to use computers quickly and by implementing improvements in modular components in their computer...

...environment system. In 1991 the turnpike will employ a pilot Automated Vehicle Identification program, with **sensors** identifying **cars** and trucks at **entry** and **exit** points. Computers will calculate the **toll** and bill the charges against a charge or prepaid account. Computers are currently located at...

9/3,K/34 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

(c) 2003 Resp. DB Svcs. All rts. reserv.

2489731 Supplier Number: 02489731

**Toshiba Heads for Y100 Billion ITS Business**

**(Toshiba will focus on developing electronic toll collection systems and associated vehicle-mounted devices in order to reach its sales goal)**

Journal of the Electronics Industry, p 16

June 1999

DOCUMENT TYPE: Journal ISSN: 0385-4515 (Japan)

LANGUAGE: English RECORD TYPE: Abstract

Search Report from Ginger R. DeMille

ABSTRACT:

...bil/y from newly developed operations related to ITS. Toshiba will concentrate on developing electronic toll collection (ECT) systems and associated vehicle-mounted devices. The company will also **enter** new business areas such as providing infrastructure for commercial **car tracking** and Automatic Highway Support systems. Toshiba is pooling knowledge company-wide to address new areas...

9/3,K/35 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

29997490 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**M25 to become eight-lane superhighway: Plans for London orbital are part of pounds 6bn scheme to widen motorways throughout Britain**

DAVID HARRISON AND EDWARD SIMPKINS

SUNDAY TELEGRAPH (UNITED KINGDOM), p05

July 06, 2003

JOURNAL CODE: FSTL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 723

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of new roads to a study of a countrywide toll scheme that could see every **car** in the country fitted with a satellite **tracking** device. All motorists' **movements** would be monitored and they would pay more for using heavily-congested roads.

Expansion of...

9/3,K/36 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

29393765 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**New Jersey Looks at Expanding Services Provided by EZPass Transponder System**

Daniel Sforza

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS - THE RECORD - HACKENSACK,

May 29, 2003

JOURNAL CODE: KREC LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 955

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... to download a movie or music."

The E-ZPass tag is already being used to **track movement** along the state's major roads.

For instance, **cars** headed east on Route 80 are scanned in Saddle Brook at the local and express...

9/3,K/37 (Item 3 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

28483740 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Sport: Jordan's fairytale win ruled out**

Search Report from Ginger R. DeMille

IRISH TIMES

April 07, 2003

JOURNAL CODE: FIRT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 627

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... lead, Jaguar's Mark Webber spun out and into the wall spraying debris across the **track** .

As the safety **car** was signalled to **enter** for a fifth time, Fisichella arced through the debris, convinced of his lead.

But seconds...

**9/3,K/38 (Item 4 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

27962878 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Crimes on public buses on the rise**

JAKARTA POST, p2

March 08, 2003

JOURNAL CODE: FJKP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 523

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... patrol is part of the police's 911 emergency assistance which residents can access through **toll** -free number 112, established to compensate for the shortage of policemen in the city. Currently...

**9/3,K/39 (Item 5 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

27612867 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**West Waits To See How Congestion Fees Work**

WESTERN DAILY PRESS

February 17, 2003

JOURNAL CODE: FWDP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 616

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... or credit card.

Rather than toll booths or barriers, 816 cameras at 203 sites, will **monitor** the number plates of **cars** at every entrance and **exit** to the zone.

Once motorists have paid their GBP5 they can leave and enter the...

**9/3,K/40 (Item 6 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

25397335 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**TSX VENTURE SYMBOL: EXC**

CCN NEWSWIRE

October 09, 2002

Search Report from Ginger R. DeMille

JOURNAL CODE: WCCN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 386

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... an active database. The use of ANPR in the UK is increasing rapidly to combat **car** theft and **monitor** the **movement** of suspected criminals and terrorists.

"REG(TM) technology is ideal for use in North America wherever there are vehicle control points such as **toll** booths, gates, parkades, bridges, on-ramps and tunnels," says Jack Gin, CEO and President of...

9/3,K/41 (Item 7 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

22486397 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Birt's bid to bring in tolls on local**

Alison Little

EXPRESS

April 27, 2002

JOURNAL CODE: FDE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 563

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... very clear that it has no plans to introduce inter-urban road user charging for **cars**.

"It would not be **sensible** for there to be **movement** on this issue until we have substantial experience with the charging system and associated technology...

9/3,K/42 (Item 8 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

21429952 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The road to electronic tolls**

SECTION TITLE: BUSINESS

BIRSS Neill

CHRISTCHURCH PRESS , 2 ed, p27

February 23, 2002

JOURNAL CODE: WTCP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 852

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... better way to get freeways and new roads than to end petrol tax and fit **cars** with electronic **toll** cards that trigger **sensors** at entrances and **exits** to motorways.

Some cards used overseas just fit in front of the rear vision mirror

9/3,K/43 (Item 9 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

Search Report from Ginger R. DeMille

16842956 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Peter takes over helm from father**

WESTERN DAILY PRESS , WP Late City ed, p27

May 23, 2001

JOURNAL CODE: FWDP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 74

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of cars and lorries.

Last year, it won a major deal to supply automatic French toll booths, known as "les peages", to millions of British tourists.

**9/3,K/44 (Item 10 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

15232640 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Giddy? It's perhaps a ringing ear**

Radha Sharma

TIMES OF INDIA

February 20, 2001

JOURNAL CODE: WTIN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 568

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... specified giddiness, sense of heaviness and tingling numbness, vibrating earth seems to have taken its toll on quite a few sensitive ones.

"There are at least 10-12 patients complaining serious...

**9/3,K/45 (Item 11 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

14546413 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Consumers Sacrifice Privacy for Convenience But May Eventually Pay A Price**

Ross Kerber

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (BOSTON GLOBE - MASSACHUSETTS)

January 08, 2001

JOURNAL CODE: KBGL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1272

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Massachusetts Turnpike Authority's Fast Lane automatic toll collection system.

Using radio signals, Fast Lane tracks when and where cars enter and leave the roadway or pass collection points. On an average weekday, the system records...

**9/3,K/46 (Item 12 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

08720431 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Search Report from Ginger R. DeMille

**Contract green light may cut toll queues**

Sam Dunn

WESTERN DAILY PRESS , WDP Late City ed, p27

December 15, 1999

JOURNAL CODE: FWDP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 369

...firm.

Gloucestershire's AGD Systems, which specialises in traffic information and measurement equipment, has designed ' **detector** ' software to pinpoint the **movements** of **cars** and lorries as they pass through tolls that guard every major motorway across France.

**9/3,K/47 (Item 13 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

02486926 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Ultim@te Race Pro(TM) Hits Audio Redline With Creative's Environmental Audio Standard**

PR NEWSWIRE

August 12, 1998 7:19

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 707

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... well as experience reverb and echo effects when racing through tunnels, under bridges or through **toll** -booths.

"Ultim@te Race Pro was hot to begin with, but with Environmental Audio Extensions...

**9/3,K/48 (Item 1 from file: 613)**

DIALOG(R)File 613:PR Newswire

(c) 2003 PR Newswire Association Inc. All rts. reserv.

00905903 20021211NYW003 (USE FORMAT 7 FOR FULLTEXT)

**Life Long BMW Enthusiast Wins BMW National Contest**

PR Newswire

Wednesday, December 11, 2002 15:10 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 939

TEXT:

...boot,

well, don't wake me up yet, cause I must be dreaming."

Mr. Manning **entered** the contest at the BMW Vintage **Car** Races at Limerock

Race **Track** in Lime Rock, Connecticut over Labor Day Weekend. The 44-year old father of two...

...For more information about breast health or breast cancer, call the Komen

Foundation's National **Toll** -Free Breast Care Helpline at 1.800 I'M

AWARE(R)

(1-800-462-9273...

9/3,K/49 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01390855 Supplier Number: 41771947 (USE FORMAT 7 FOR FULLTEXT)

**EDI Conference Highlights Year of Solid Growth**

Electronic Services Update, pN/A

Jan, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 744

... Software; and EDI Star, the new software from Union Pacific Railroad which allows customers to **track** shipments and **trace car movement** from a PC. There were also some new products for the emerging X.400 and...

...practices for the black box of EDI. Companies are offering 24-hour customer service centers, **toll** -free numbers, training seminars, "teletraining" (training seminars over the telephone), and some companies are even...

9/3,K/50 (Item 1 from file: 813)

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

0490465

PG008

**PENNSYLVANIA TURNPIKE INTRODUCES WORLD'S FIRST WEIGH BARRIER TOLL PLAZA**

DATE: June 23, 1992 14:32 EDT WORD COUNT: 704

June 23 /PRNewswire/ -- When the Pennsylvania Turnpike Commission opens the southernmost section of **Toll** 60 in Chippewa Township at 11 a.m. on Tuesday, June 30, it will be...

...world

to pay their tolls via a unique weigh barrier system at the Mainline South **Toll** 60 Plaza on what is officially known as the James E. Ross Highway segment of...

...system' in the world."

Here's how the weigh barrier system functions: as a vehicle **enters** the **toll** lane, light beams **detect** if the vehicle is an **automobile** or commercial vehicle. The **sensors** are directly in line with a road-mounted scale which simultaneously counts and weighs axles, then sends that message to a microprocessor in the **toll** booth.

The microprocessor sums up the weight of the axles and the fare is then...

...coin-drop unit. Cars will pay a standard rate of 50 cents at Mainline South **Toll** 60 Plaza. Several lanes will be designated as "Cars Only Exact Fare." While at the...

...correct change into the coin-drop basket, the gate lifts, and the vehicle exits the **toll** plaza. Any two-axle vehicle under 7,000 pounds will pay the Class One car...



Search Report from Ginger R. DeMille

...Trucks, however, must go through a manually operated lane and pay appropriate fare to a **toll** collector. Oversize and overweight vehicles will also be detected by the new weigh-barrier system...

9/3,K/51 (Item 1 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00795737 DA

**TITLE: THE STATE OF INNOVATION IN SURFACE TRANSPORTATION**

Editor(s): Orski, CK

CORPORATE SOURCE: Urban Mobility Corporation, 1634 I Street, NW, Suite 500, Washington, DC, 20006-4003,

JOURNAL: Innovation Briefs Vol: 11 Issue Number: 4 Pag: 2p

PUBLICATION DATE: 20000700 PUBLICATION YEAR: 2000

LANGUAGE: English SUBFILE: HRIS; UMTRIS (H; U)

ISSN: 1071393X

AVAILABILITY: Urban Mobility Corporation; 1634 I Street, NW, Suite 500 ; Washington ; DC ; 20006-4003

ORDER NUMBER: N/A

...DESCRIPTORS: collection; Smart cards; Intelligent transportation systems ; Congestion pricing; Road pricing; Value of service pricing; Private **enterprise** ; High occupancy **toll** lanes; In vehicle **sensors** ; Driver information systems; **Automobile** navigation systems; Bus transit; Passenger information systems; Massachusetts Institute of Technology; Cooperative Mobility Program; International...

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

? ds

Set	Items	Description
S1	14	AU=(KAKIHARA OR FURATA OR TERADA OR AOKI OR MASAKI OR YASU-YUKI OR MARUHIKO OR YASUYUKI) AND TOLL? ?
S2	14	RD (unique items)
S3	3975353	ACCOUNTING
S4	802871	TOLL
S5	3224	(TRACK? OR MONITOR? OR DETECT? OR SENS? OR WATCH? OR TRACE? OR TRACING) (5N) (VEHICE? ? OR CAR OR CARS OR AUTOMOBILE? ?) (5-N) (MOVEMENT? ? OR ENTRY? OR ENTER? OR EXIT? OR REENTR? OR REENTER?)
S6	0	S3(S)S4(S)S5
S7	0	S3(3S)S4(3S)S5
S8	61	S4(3S)S5
S9	51	RD (unique items)
?		

Search Report from Ginger R. DeMille

? show files

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200353  
(c) 2003 Thomson Derwent  
File 344:Chinese Patents Abs Aug 1985-2003/Mar  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)  
(c) 2003 JPO & JAPIO  
File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.  
File 348:EUROPEAN PATENTS 1978-2003/Aug W02  
(c) 2003 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20030814,UT=20030807  
(c) 2003 WIPO/Univentio  
File 2:INSPEC 1969-2003/Aug W2  
(c) 2003 Institution of Electrical Engineers  
File 35:Disertation Abs Online 1861-2003/Jul  
(c) 2003 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2003/Aug W3  
(c) 2003 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jul  
(c) 2003 The HW Wilson Co.  
File 233:Internet & Personal Comp. Abs. 1981-2003/Jul  
(c) 2003, EBSCO Pub.  
File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Jul  
(c)2003 Info.Sources Inc  
File 474:New York Times Abs 1969-2003/Aug 20  
(c) 2003 The New York Times  
File 475:Wall Street Journal Abs 1973-2003/Aug 20  
(c) 2003 The New York Times  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 15:ABI/Inform(R) 1971-2003/Aug 20  
(c) 2003 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2003/Aug 20  
(c) 2003 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2003/Aug 20  
(c)2003 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2003/Aug 20  
(c) 2003 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Aug 20  
(c) 2003 The Gale Group  
File 9:Business & Industry(R) Jul/1994-2003/Aug 20  
(c) 2003 Resp. DB Svcs.  
File 20:Dialog Global Reporter 1997-2003/Aug 21  
(c) 2003 The Dialog Corp.  
File 476:Financial Times Fulltext 1982-2003/Aug 21  
(c) 2003 Financial Times Ltd  
File 610:Business Wire 1999-2003/Aug 21  
(c) 2003 Business Wire.  
File 613:PR Newswire 1999-2003/Aug 21  
(c) 2003 PR Newswire Association Inc  
File 634:San Jose Mercury Jun 1985-2003/Aug 20  
(c) 2003 San Jose Mercury News  
File 636:Gale Group Newsletter DB(TM) 1987-2003/Aug 20  
(c) 2003 The Gale Group  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

*Further Search*

Search Report from Ginger R. DeMille

File 63:Transport Res(TRIS) 1970-2003/Jul  
(c) fmt only 2003 Dialog Corp.  
File 8:Ei Compendex(R) 1970-2003/Aug W2  
(c) 2003 Elsevier Eng. Info. Inc.  
File 94:JICST-Eplus 1985-2003/Aug W3  
(c)2003 Japan Science and Tech Corp(JST)  
File 62:SPIN(R) 1975-2003/Jul W1  
(c) 2003 American Institute of Physics  
File 144:Pascal 1973-2003/Aug W2  
(c) 2003 INIST/CNRS  
? ds

Set	Items	Description
S1	14	AU=(KAKIHARA OR FURATA OR TERADA OR AOKI OR MASAKI OR YASU- YUKI OR MARUHIKO OR YASUYUKI) AND TOLL? ?
S2	14	RD (unique items)

? t2/3,k/all

2/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01470490

**MONITORING SYSTEM FOR VEHICLE AUTOMATIC ACCOUNTING DEVICE**  
**UBERWACHUNGSSYSTEM FUR EIN FAHRZEUG MIT AUTOMATISCHER**  
**ABRECHNUNGSEINRICHTUNG**

**SYSTEME DE CONTROLE POUR DISPOSITIF DE PAIEMENT AUTOMATIQUE DE VEHICULE**  
PATENT ASSIGNEE:

Aisin Seiki Kabushiki Kaisha, (203727), 1, Asahi-cho 2-chome, Kariya-shi,  
Aichi-ken 448-8650, (JP), (Applicant designated States: all)

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203744), 1, Toyota-cho, Toyota-shi,  
Aichi 471-8571, (JP), (Applicant designated States: all)

INVENTOR:

**AOKI , Yasuyuki** , 31-157, Matahachiyama, Okehazama, Midori-ku,  
Nagoya-shi, Aichi 458-0911, (JP)

**KAKIHARA , Masaki** , c/o TOYOTA JIDOSHA KABUSHIKI KAISHA 1, Toyota-cho,  
Toyota-shi, Aichi 471-8571, (JP)

LEGAL REPRESENTATIVE:

Leson, Thomas Johannes Alois, Dipl.-Ing. (78981), Patentanwalte  
Tiedtke-Buhling-Kinne & Partner, Bavariaring 4, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1333404 A1 030806 (Basic)  
WO 2002029729 020411

APPLICATION (CC, No, Date): EP 2001972559 010928; WO 2001JP8503 010928

PRIORITY (CC, No, Date): JP 2000299552 000929

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-015/00

ABSTRACT WORD COUNT: 125

NOTE:

Figure number on first page: 0007

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200332	1329
SPEC A	(English)	200332	7452
Total word count - document A			8781
Total word count - document B			0
Total word count - documents A + B			8781

Search Report from Ginger R. DeMille

INVENTOR:

AOKI , Yasuyuki , ...

...JP)

KAKIHARA , Masaki ,

...SPECIFICATION of a prepaid card, an IC card, or a like card, to thereby collect a toll or a like fee.

In such system, an important factor is that the automatic charging...

2/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01469713

POSITION RECOGNIZING DEVICE AND POSITION RECOGNIZING METHOD, AND ACCOUNTING DEVICE AND ACCOUNTING METHOD

POSITIONSERKENNUNGSEINRICHTUNG UND POSITIONSERKENNUNGSVERFAHREN UND VERWALTUNGSEINRICHTUNG UND VERWALTUNGSVERFAHREN

DISPOSITIF ET PROCEDE DE RECONNAISSANCE DE POSITION, ET DISPOSITIF ET PROCEDE D'ESTIMATION

PATENT ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203744), 1, Toyota-cho, Toyota-shi, Aichi 471-8571, (JP), (Applicant designated States: all)

Aisin Seiki Kabushiki Kaisha, (203727), 1, Asahi-cho 2-chome, Kariya-shi, Aichi-ken 448-8650, (JP), (Applicant designated States: all)

INVENTOR:

KAKIHARA , Masaki , Toyota Jidosha K.K., 1, Toyota-cho, Toyota-shi, Aichi 471-8571, (JP)

AOKI , Yasuyuki , 31-157, Matahachiyama, Okehazama, Arimatsu-cho, Midori-ku, Nagoya-shi, Aichi 458-0911, (JP)

LEGAL REPRESENTATIVE:

Winter, Brandl, Furniss, Hubner, Ross, Kaiser, Polte Partnerschaft (100051), Patent- und Rechtsanwaltskanzlei Alois-Steinecker-Strasse 22, 85354 Freising, (DE)

PATENT (CC, No, Kind, Date): EP 1326212 A1 030709 (Basic)  
WO 2002029728 020411

APPLICATION (CC, No, Date): EP 2001955677 010810; WO 2001JP6930 010810

PRIORITY (CC, No, Date): JP 2000300034 000929

DESIGNATED STATES: DE; DK; ES; FR; GB; IT; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-015/00; G08G-001/0969; G01S-005/14; G01C-021/00

ABSTRACT WORD COUNT: 282

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200328	1985
SPEC A	(English)	200328	12750
Total word count - document A			14735
Total word count - document B			0
Total word count - documents A + B			14735

INVENTOR:

KAKIHARA , Masaki , Toyota Jidosha K.K...

Search Report from Ginger R. DeMille

...JP)

AOKI , Yasuyuki , 31-157, Matahachiyama...

...SPECIFICATION moves.

BACKGROUND ART

Generally in case a vehicle as the moving object passes through a toll road, there is made the so-called "accounting process", in which the vehicle is charged with a toll according to its type or covered distance. In this accounting processing case, facilities such as gates or tollbooths were conventionally provided at the entrances and exits of the toll road. If the method of providing such facilities is adopted, however, there arise problems that...

...vehicle unit, a map database stored with map data determining the accounted zones and the tolls , and an electronic control unit connected with the ground communication unit and the map database...be applied to the IC card reader 8 is stored with information such as a toll balance. The ground wave communication unit 9 is provided with a ground wave antenna 15...3) at the GPS positioning time, or a value equivalent to a mileage when the toll is added in proportion as mileages in the accounting zone A1.

If the rectilinear distance...

...zone A1 (at Step S7). Subsequent to this Step S7, the process to charge the toll , that is, the mileage accounting process is done (at Step S8) on the basis of...moving object or by the distance, at which the moving object is charged with the toll for each coverage. In the invention, moreover, the terminology "position" is used to mean the...

...be utilized especially in the industrial field where "the accounting" is made for charging the toll on the basis of the zone where the moving object exists.

2/3,K/3 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01343988

System and method for restricting the use of a package of distributed application software

System und Verfahren zur Einschränkung der Nutzung von mehreren verteilten Anwendungsprogrammen

Systeme et procede de limitation de l'utilisation d'un ensemble de programmes d'application distribues

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (1855501), 1006, Oaza Kadoma, Kadoma-shi, Osaka, (JP), (Applicant designated States: all)

INVENTOR:

Uranaka, Sachiko, c/o 3-13-8, Honkomagome, Bunkyo-ku, Tokyo, (JP)

Kiyono, Masaki , c/o B-103, 4-3-4, Kajiwara, Kamakura-shi, Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Leson, Thomas Johannes Alois, Dipl.-Ing. (78982), Tiedtke-Buhling-Kinne & Partner GbR, TBK-Patent, Bavariaring 4, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1148407 A2 011024 (Basic)

APPLICATION (CC, No, Date): EP 2001117146 970602;

PRIORITY (CC, No, Date): JP 96286345 961029

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

Search Report from Ginger R. DeMille

EP 840194 (EP 97108754)  
INTERNATIONAL PATENT CLASS: G06F-001/00; G11B-020/00  
ABSTRACT WORD COUNT: 136  
NOTE:

Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200143	3269
SPEC A	(English)	200143	15965
Total word count - document A			19234
Total word count - document B			0
Total word count - documents A + B			19234

INVENTOR:

... JP)  
Kiyono, Masaki ,

...SPECIFICATION user can use encrypted information which is recorded together with a public key of a toll center (a center public key) on a CD-ROM by encrypting with the center public...which plays a DVD 3, a telecommunication network 4, and a server 8 at a toll center of the provider 6 which provides the application package of the DVD 3.

FIG...key (PKs))) 31 the data of which is given by the server 6 at a toll center of the provider 6; a PKu)) (user-public-key)-encrypted application-encrypting key (Kv...with an identical volume ID can have different server public keys recorded. A plurality of toll center may be advantageously provided for application packages of the same title.  
In order to...

...However, in this case the user has to be taken as the administrator of the toll server.

Many widely different embodiments of the present invention may be constructed without departing from...

2/3,K/4 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01325975

**Electronic book system and its contents display method**

**System und Inhaltsanzeigeverfahren fur ein elektronisches Buch**

**Systeme et methode d'affichage de contenu d'un livre electronique**

PATENT ASSIGNEE:

Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, (JP), (Applicant designated States: all)

INVENTOR:

Ishibashi, Atsushi, c/o Hitachi, Ltd.,, New Marunouchi Bldg. 5-1, Marunouchi 1-chome,, Chiyoda-ku, Tokyo 100-8220, (JP)

Kosukegawa, Yuichi, c/o Hitachi, Ltd.,, New Marunouchi Bldg. 5-1, Marunouchi 1-chome,, Chiyoda-ku, Tokyo 100-8220, (JP)

Takano, Masaki , c/o Hitachi, Ltd.,, New Marunouchi Bldg. 5-1, Marunouchi 1-chome,, Chiyoda-ku, Tokyo 100-8220, (JP)

Tsukada, Yujin, c/o Hitachi, Ltd.,, New Marunouchi Bldg. 5-1, Marunouchi 1-chome,, Chiyoda-ku, Tokyo 100-8220, (JP)

Minemoto, Takeshi, c/o Hitachi, Ltd.,, New Marunouchi Bldg. 5-1, Marunouchi 1-chome,, Chiyoda-ku, Tokyo 100-8220, (JP)

Arai, Tatsuro, c/o Hitachi, Ltd.,, New Marunouchi Bldg. 5-1, Marunouchi

Search Report from Ginger R. DeMille

1-chome,, Chiyoda-ku, Tokyo 100-8220, (JP)  
LEGAL REPRESENTATIVE:  
Beetz & Partner Patentanwalte (100712), Steinsdorfstrasse 10, 80538  
Munchen, (DE)  
PATENT (CC, No, Kind, Date): EP 1132829 A2 010912 (Basic)  
EP 1132829 A3 020821  
APPLICATION (CC, No, Date): EP 2001100050 010109;  
PRIORITY (CC, No, Date): JP 20003721 000112  
DESIGNATED STATES: DE; FR; GB  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G06F-015/02  
ABSTRACT WORD COUNT: 166  
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200137	660
SPEC A	(English)	200137	11408
Total word count - document A			12068
Total word count - document B			0
Total word count - documents A + B			12068

INVENTOR:

... JP)

Takano, **Masaki** , c/o Hitachi, Ltd...

...SPECIFICATION user at the time of purchase, advertisement charges from  
ad agencies, membership fees from users, **tolls** of a bookshelf and  
others. According to this system, as a writer can use various...

2/3,K/5 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01228608

ACCOUNTING SYSTEM

ABRECHNUNGSSYSTEM

SYSTEME COMPTABLE

PATENT ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203740), 1, Toyota-cho, Toyota-shi,  
Aichi-ken 471-8571, (JP), (Applicant designated States: all)  
Aisin Seiki Kabushiki Kaisha, (203727), 1, Asahi-cho 2-chome, Kariya-shi,  
Aichi-ken 448-8650, (JP), (Applicant designated States: all)

INVENTOR:

FURUTA, **Yasuyuki** , Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,  
Toyota-shi, Aichi 471-8571, (JP)  
**KAKIHARA** , **Masaki** , Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,  
Toyota-shi, Aichi 471-8571, (JP)  
**AOKI** , **Yasuyuki** , 31-157, Aza Matahachiyama, Oaza Okehazama,  
Arimatsu-cho, Midori-ku, Nagoya-shi, Aichi 458-0911, (JP)  
**TERADA** , Haruhiko, 2-153-3, Kajita-cho, Obu-shi, Aichi 474-0071, (JP)

LEGAL REPRESENTATIVE:

Leson, Thomas Johannes Alois, Dipl.-Ing. (78982), Tiedtke-Buhling-Kinne &  
Partner GbR, TBK-Patent, Bavariaring 4, 80336 Munchen, (DE)  
PATENT (CC, No, Kind, Date): EP 1197924 A1 020417 (Basic)  
WO 200067207 001109  
APPLICATION (CC, No, Date): EP 2000915528 000414; WO 2000JP2437 000414  
PRIORITY (CC, No, Date): JP 99121825 990428

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DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G07B-015/00; G08G-001/0969; G01C-021/00

ABSTRACT WORD COUNT: 166

NOTE:

Figure number on first page: 0002

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200216	2524
SPEC A	(English)	200216	11715
Total word count - document A			14239
Total word count - document B			0
Total word count - documents A + B			14239

INVENTOR:

FURUTA, Yasuyuki , ...

...JP)

KAKIHARA , Masaki , ...

...JP)

AOKI , Yasuyuki , 31-157, Aza Matahachiyama...

...JP)

TERADA , Haruhiko

...SPECIFICATION have been proposed in which vehicle passing judging devices are set on plural routes on toll roads or the like, and it is judged what route of the plural routes has...

2/3,K/6 (Item 6 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01159976

CHARGING DEVICE

VORRICHTUNG ZUR GEBUHRENERHEBUNG

DISPOSITIF DE TAXATION

PATENT ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203740), 1, Toyota-cho, Toyota-shi,

Aichi-ken 471-8571, (JP), (Applicant designated States: all)

Aisin Seiki Kabushiki Kaisha, (203727), 1, Asahi-cho 2-chome, Kariya-shi,

Aichi-ken 448-8650, (JP), (Applicant designated States: all)

INVENTOR:

KAKIHARA , Masaki , Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,

Toyota-shi, Aichi 471-8571, (JP)

FURUTA, Yasuyuki , Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,

Toyota-shi, Aichi 471-8571, (JP)

TERADA , Haruhiko, 2-153-3, Kajita-cho, Obu-shi, Aichi 474-0071, (JP)

AOKI , Yasuyuki , 31-157, Aza Matahachiyama, Oaza Okehazama,

Arimatsu-cho, Midori-ku, Nagoya-shi, Aichi 458-0911, (JP)

LEGAL REPRESENTATIVE:

Leson, Thomas Johannes Alois, Dipl.-Ing. (78982), Tiedtke-Buhling-Kinne &

Partner GbR, TBK-Patent, Bavariaring 4, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1120749 A1 010801 (Basic)

WO 200022579 000420

APPLICATION (CC, No, Date): EP 99970491 991008; WO 99JP5580 991008

PRIORITY (CC, No, Date): JP 98288301 981009; JP 98288302 981009; JP



Search Report from Ginger R. DeMille

98294307 981015; JP 98339216 981130; JP 98339217 981130; JP 98339218  
981130; JP 98339219 981130; JP 98339220 981130; JP 99168340 990615  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE  
INTERNATIONAL PATENT CLASS: G07B-015/00  
ABSTRACT WORD COUNT: 157  
NOTE:

Figure number on first page: 0011

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200131	2449
SPEC A	(English)	200131	61436
Total word count - document A			63885
Total word count - document B			0
Total word count - documents A + B			63885

INVENTOR:

**KAKIHARA , Masaki ,** Toyota Jidosha Kabushiki Kaisha...

...JP)

**FURUTA, Yasuyuki ,** Toyota Jidosha Kabushiki Kaisha...

...JP)

**TERADA ,** Haruhiko...

...JP)

**AOKI , Yasuyuki ,** 31-157, Aza Matahachiyama...

...SPECIFICATION and particularly, to a charging device for transferring  
information relating to the collection of a **toll** on a moving body  
traveling within a charge applicable area and the like and for...

...is mounted in a vehicle and that performs data processing for the  
payment of a **toll** arising from the use of a charge area at a point when  
predetermined conditions are...

...Description of the Related Art

A moving body such as vehicle that travels on a **toll** paying  
installation (such as a **toll** road) is charged in accordance with the  
type of the vehicle as well as the distance traveled on the **toll** road.  
In order to automatically collect the **toll** at an entry gate or exit  
gate of the **toll** road, a road - vehicle intercommunication system for  
performing wireless information transfer between an in-vehicle...

...for example, Japanese Patent Application Laid-Open (JP-A) No. 10-63903,  
in which a **toll** is collected from a vehicle based on the entry to the  
**toll** road (which is a specific territory), the exit from the **toll**  
road, and the route between the two.

However, when this type of road - vehicle intercommunication...

...of the charge applicable area, such as the entry gates and exit gates of  
a **toll** road. If the area for which a **toll** is to be charged, such as a  
**toll** road, is one-dimensional, the installation is easy, however, if  
the charge applicable area is...

...a user of a moving body.

Currently, tollbooths are provided along the route of a **toll** road and  
vehicles are made to stop there so that the charging operation can be...

Search Report from Ginger R. DeMille

...type of charging method, a large amount of labor and time are wasted in the **toll** collection and traffic becomes extremely congested around the tollbooths. Therefore, a system has been proposed...

...are few branching routes and entry and exit points (i.e. interchanges). Therefore, in a **toll** road network in which the distances between interchanges is comparatively long, there only needs to...

...card capable of having the balance thereof updated is used, when the vehicle exits the **toll** road, information indicating the route traveled by the vehicle is transmitted to an antenna terminal, the antenna terminal calculates the **toll** for the route traveled and transmits this to the vehicle, and the vehicle then deducts this **toll** from the prepaid card, thereby doing away with the need for the vehicle to be stopped in order for the **toll** to be paid. However, in a **toll** road network in which there is a large number of branching routes and entry and...to the first aspect, wherein the generating means is provided with storage means in which **toll** data that is determined in advance and corresponds to the entry state is stored in advance, and the charge information is generated using **toll** data of the storage means.

The third aspect is the charging device according to the first or second aspect, wherein the charge applicable area is formed from at least a **toll** area and a non- **toll** area, and the buffer area is set between the **toll** area and the non- **toll** area.

The fourth aspect is the charging device according to any of the first to third aspects, wherein the charge applicable area is formed from at least a plurality of **toll** areas, and the buffer area is set between adjacent **toll** areas.

The fifth aspect is the charging device according to the fourth aspect, wherein the plurality of **toll** areas contain **toll** areas that have different **toll** systems.

The sixth aspect is the charging device according to the fifth aspect, wherein the buffer area is provided for each plurality of **toll** areas.

The seventh aspect is the charging device according to any of the first to sixth aspects, wherein a **toll** for the buffer area is set based on a **toll** of one of adjacent areas.

The eighth aspect is the charging device according to any of the fourth to seventh aspects, wherein a **toll** for the buffer area is set based on a **toll** of an area selected from a plurality of areas surrounding the buffer area.

The ninth...

...of the first to ninth aspects, wherein the generating means generates charge information relating to **tolls** determined based on a distance traveled in the charge applicable area.

The eleventh aspect is...body based on the result of the deciding by the deciding means. For example, the **toll** that should be collected from a moving body within the charge applicable area is determined in advance. Accordingly, because a predetermined **toll** should be charged when a moving body enters into the charge applicable area, the **toll** that should be charged on the moving body that has entered into the charge applicable...

...applicable area or the like.

Note that, it is common for the amount of the **toll** to be collected from a moving body located inside a charge applicable area to be...

...second aspect, the generating means is provided with a storage means for storing in advance **toll** data set in advance to correspond with the entry state. Consequently, charging information can be easily created using the **toll** data in the storage means. This **toll** data may be set

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in a plurality of levels for the type of vehicle, the travel time, and the like and these may be stored as charge tables.

Non- toll areas such as public areas and the like may be contained inside the charge applicable area. Namely, the charge applicable area may comprise both areas where tolls are levied and areas where no toll is levied. Therefore, in the third aspect, a charge applicable area is formed from at least toll areas and non- toll areas and buffer areas are set between toll areas and non- toll areas. By using this format, even if the charge applicable area has a mixture of toll areas and non- toll areas together, it is possible to decide with certainty that a moving body is within a charge applicable area in which a toll is levied and there is no unnecessary toll collection.

Moreover, when the charge applicable area is formed from a plurality of toll areas, the toll may differ depending on which of the toll areas the position of the moving body was located in. Therefore, as in the fourth aspect, when the charge applicable area is formed from at least a plurality of toll areas, buffer areas are set between adjacent toll areas. By using this structure, even if the charge applicable area comprises a plurality of toll areas, it is possible to decide with certainty that a moving body is within a charge applicable area in which the relevant toll is levied and there is no irregularity in the toll collection.

In a charge applicable area comprising a plurality of toll areas, as in the fifth aspect, it is possible to provide toll areas in a toll system that uses a plurality of different toll areas. In this case, because it is possible to decide with certainty that a moving body is definitely inside a charge applicable area which is a toll area, toll collection using the correct toll system can be reliably performed.

The buffer areas are set at the boundaries between charge applicable areas and areas other than charge applicable areas. In some cases, the toll is set for the charge applicable area, and it is also possible to set a toll for the buffer area provided at the boundary thereof. However, there may not be only...

- ...a buffer area. Therefore, as in the seventh aspect, it is possible to set the toll for a buffer area based on the toll of one of the adjacent areas. Namely, although a buffer area is set at a...
- ...there are areas existing on both sides separated by that boundary, therefore, by setting the toll for the buffer area based on the toll of one of the adjacent areas, a toll that is appropriate for the buffer area can be set.
- There are also cases in which a plurality of toll areas exist around a buffer zone. Therefore, as in the eighth aspect, it is possible to determine a toll for a buffer area based on tolls of areas selected from the plurality of areas surrounding the buffer area. If this format is employed, a toll can be set that is appropriate for the buffer area.

It should be noted that...

- ...no generating of charge information for an entry into the same charge area and unnecessary toll collection can be avoided.
- As in the tenth aspect, it is possible for the generating means to generate charge information relating to tolls determined based on a distance traveled in the charge applicable area as a category for toll collection other than a vehicle entry. Namely, a charge can be made in accordance with...
- ...the stored distance traveled. By using this method, there is no need to collect the toll continuously and the toll may be collected at the

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- point when the moving body finishes traveling inside the charge...
- ...to the first aspect, wherein the generating means is provided with storage means in which **toll** data that is determined in advance and corresponds to the entry state is stored in advance, and the charge information is generated using **toll** data of the storage means.
- The third aspect is the charging device according to the...of the first to sixth aspects, wherein the generating means generates charge information relating to **tolls** determined based on a distance traveled in the charge applicable area.
- In the charging device...
- ...body based on the result of the deciding by the deciding means. For example, the **toll** that should be collected from a moving body within the charge applicable area is determined in advance. Accordingly, because a predetermined **toll** should be charged when a moving body enters into the charge applicable area, the **toll** that should be charged on the moving body that has entered into the charge applicable...applicable area or the like.
- Note that, it is common for the amount of the **toll** to be collected from a moving body located inside a charge applicable area to be...
- ...second aspect, the generating means is provided with a storage means for storing in advance **toll** data set in advance to correspond with the entry state. Consequently, charging information can be easily created using the **toll** data in the storage means. This **toll** data may be set in a plurality of levels for the type of vehicle, the...
- ...no generating of charge information for an entry into the same charge area and unnecessary **toll** collection can be avoided.
- Moreover, as another category for **toll** collection other than a vehicle entry, as in the seventh aspect, the generating means generates charge information relating to **tolls** determined based on a distance traveled in the charge applicable area. Namely, charging can be...
- ...the stored distance traveled. By using this method, there is no need to collect the **toll** continuously and the **toll** may be collected at the point when the moving body finishes traveling inside the charge...and exits to charge applicable areas such as the exit gates and entry gates to **toll** roads, however, when the charge applicable area is set as a zone or the like...balance) in the storage means via the reading and writing means in accordance with a **toll** charged for the charge area while the state information was being held.
- As a result...
- ...entries and exits into the charge area within that 24 hours, only one transit charge **toll** is levied. If the set time (TRj) is set at a time longer than the...
- ...by the area inside or outside detecting means (20 to 26; 2), one transit charge **toll** payment is required and the number of acknowledged charge transits is at the maximum.
- Accordingly...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged for the charge area while the state information (i.e. that RAEj = 1) was...
- ...entries and exits into the charge area within that 24 hours, only one transit charge **toll** is levied. If the set value (STR) is set at a time slightly longer than...
- ...by the area inside or outside detecting means (20 to 26; 2), one transit

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charge **toll** payment is required and the number of acknowledged charge transits is at the maximum.

Accordingly...

...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged for the charge area while the state information (i.e. that  $RAE_j = 1$ ) was...  
...entries and exits into the charge area on that particular date, only one transit charge **toll** is levied. If the period of the calendar units is set to weekly or monthly, then only one transit charge **toll** is still charged until the week or month changes.

(4) The eighth invention is a...

...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged for each charge area (charge area  $j$ ) while the respective state information (i.e...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged for each charge area ( $j$ ,  $k$ ) while the respective state information was being held...is congested (for example, is traveling at less than 20 Km/h) and charging a **toll** based on time units for this length of time, then by increasing the cost of...

...based on vehicle entry into the area, then payment processing (data processing to deduct the **toll** from a card) is performed to levy the **toll** each time a vehicle enters the area. If the area is one where **tolls** are based on distance traveled (or length of stay), then measuring of the distance traveled...

...conditions are met (for example, when the vehicle departs from the charge area), then the **toll** due is calculated by multiplying the distance traveled (or the length of stay) by the...necessary. In particular, when attempting to carefully fine tune the flow of traffic or collect **tolls**, it is possible to divide a charge area into a plurality of small area and...

...charging systems) for that area are determined, processing corresponding to that is commenced, and a **toll** is calculated and payment made at a timing corresponding to the charging category is problematic...

...a charge area; and charge processing means (2) charge processing means (2) for calculating the **toll** ( $Y$ ) for transit through a charge area and updating credit information (balance) in the storage...

...CRD) by that amount via the reading and writing means (5) in accordance with a **toll** charged for a charge area ( $j$ ,  $k$ ), wherein there is further provided unit price memory...

...category in each charge area, and wherein the charge processing means (2) calculates the transit **toll** ( $Y$ ) for a charge area using the sum of the products ( $Y = A1$ )  $\times$   $Z$ ...

...traffic  $C$ ) in each charge area, and the charge processing means (2) calculates the transit **toll** ( $Y$ ) for each charge area using the sum of the products ( $Y = A1$ )  $\times$   $Z$ ...

...measured in each charge area. Each if the charge system is changed, because the transit **toll** calculation processing is the same, there is a high degree of adaptability in the charge...invention is a charge device, wherein the charge unit prices include a per entry charge **toll**  $A1$ ) for each entry into a charge area, a distance charge **toll**  $A2$ ) for distance traveled inside a charge area, and a time charge **toll**  $A3$ ) for travel

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- time inside a charge area; and the charge variable measuring means (2...
- ...time spent in an area T; and the charge processing means (2) calculates the transit **toll** (Y) for each charge area by applying the charge unit prices A1)), A2)), A3)) of the charge areas for calculating transit **tolls** and the number of entries Z, the distance traveled D, and the travel time T...
- ...invention is a charge device, wherein the charge unit prices include a per entry charge **toll** A1)) for each entry into a charge area, a distance charge **toll** A2)) for distance traveled inside a charge area, and a time charge **toll** A4)) for congested travel time inside a charge area; and the charge variable measuring means...
- ...traffic spent in an area C; and the charge processing means (2) calculates the transit **toll** (Y) for each charge area by applying the charge unit prices A1)), A2)), A4)) of the charge areas for calculating transit **tolls** and the number of entries Z, the distance traveled D, and the congested travel time...
- ...invention is a charge device, wherein the charge unit prices include a per entry charge **toll** A1)) for each entry into a charge area, a distance charge **toll** A2)) for distance traveled inside a charge area, a time charge **toll** A3)) for travel time inside a charge area, and a time charge **toll** A4)) for congested travel time inside a charge area; and the charge variable measuring means...
- ...traffic spent in an area C; and the charge processing means (2) calculates the transit **toll** (Y) for each charge area by applying the charge unit prices A1)), A2)), A3)), A4)) of the charge areas for calculating transit **tolls** and the number of entries Z, the distance traveled D, the travel time T, and...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged; notification means (2, 4B5, 10, SP) for urging that the storage means (CRD) be...charge processing cannot be carried out. If an altered or forged card is used, the **toll** payment to the legitimate charger is not carried out. If the balance of the card stays in the negative without the payment thereof being performed, then the **toll** payment is also not carried out.
- If, instead of the GPS position finder, or as...to perform charge processing, and the simplifying of the collection by a controller of unpaid **tolls** .
- (39) The twelfth invention is a charge device, comprising: storage means (CRD) for storing credit...
- ...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged in response to a transit through the charge area; means for detecting at least...
- ...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged in response to a transit through the charge area; means (2) for detecting at in accordance with a **toll** charged credit information in the storage means (CRD) via the reading and writing means (5...
- ...they were generated, it is thereafter possible to confirm the abnormality history and pursue unpaid **tolls** .
- (42) The fifteenth invention is a charge device, comprising: GPS position finding means (ANTg, 20...

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...the storage means (CRD) via the reading and writing means (5) in accordance with a **toll** charged in response to a transit through the charge area; and abnormality information registering means...

...thereafter possible to confirm the history of the vehicle speed pulses abnormality and pursue unpaid **tolls**.

(43) The sixteenth invention is a charge device, comprising: position finding means (20, 25) that reading and writing means (5) in accordance with a **toll** charged in response to a transit through the charge area; and abnormality information registering means...or the modem unit 34.

Fig. 52 is a flow chart showing the content of " **toll** collection & movement history collection" CRC performed repeatedly by the controller unit 32 shown in Fig...performing charge processing automatically for a vehicle that has entered (i.e. driven into) a **toll** facility (i.e. an area where a charge is applied - referred to below as a...

...the automatic charging system used in the present embodiment is a system for settling a **toll** or the like through communication between an in-vehicle device mounted in a vehicle and...

...the result thereof to the in-vehicle device 30. The in-vehicle device 30 performs **toll** collection based on the received result of the charge processing. Note that it is also possible for the **toll** collection to be performed at the general center, and only the result of the **toll** collection transmitted.

As is shown in Fig. 2, the general center 40 established on the...

...124 is also connected to the input / output port 108. This memory 124 includes a **toll** table 124A in which **toll** information representing **tolls** of the charge applicable area is stored, a map database 124B in which map information...230 is also connected to the input / output port 208. This memory 230 includes a **toll** table 230A in which **toll** information representing **tolls** of the charge applicable area is stored, and a map database 230B in which map...an IC card read / write device 234 capable of receiving an IC card on which **toll** balance information and the like is stored is provided for the input / output port 208...

...in the RAM 204 and ROM 206. The in-vehicle device 30 refers to the **toll** balance information on the IC card 232 loaded into the IC card read / write device 234, and writes **toll** balance information on the IC card 232. Note that the IC card may comprise a...

...from an unillustrated clock built into the vehicle 32.

Note that, in the above description, **toll** tables are stored in memory in both the in-vehicle device 30 and the general center 40, however, it is also possible for the **toll** tables to be stored in the device that performs the calculation of the **toll** to be charged or to be stored in another device when **toll** information is obtained by communication, or for the **toll** tables to be stored in the memory of one of the in-vehicle device 30...speed may also be used).

It is possible to specify the area and specify the **toll** for the charge applicable area by including tables based on the above charge calculation conditions...a determination is made as to whether or not an IC card 232, on which **toll** balance information and the like is stored, is loaded in a card read / write device...

...determination in step 427 is negative. The routine then proceeds to step 428 where the **toll** calculated above is stored in memory. Because it is possible that previous unpaid **tolls** are included therein, the storing

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of the **toll** is a cumulative processing. If, however, an IC card 232 is loaded in the IC...

...levied in error on a vehicle positioned outside the charge applicable area by charging a **toll** only on vehicles present in the core area. However, it is not possible to collect a **toll** for the buffer area. Therefore, in the present embodiment, it is possible to both prevent...

...in error on a vehicle positioned outside the charge applicable area and to collect a **toll** in a predetermined buffer area within the charge applicable area.

As is shown in Fig...In the next step 436, a determination is made as to whether or not a **toll** free area is contained in the areas that were obtained as a result of the retrieval in step 434. This is because no charges are applied in buffer areas for **toll** free areas. If a **toll** free area does exist, the determination in step 436 is negative and the routine moves to step 440 where the area designation is not performed.

If there is no **toll** free area and the determination in step 436 is affirmative, in the next step 438...

...of areas was retrieved in step 434 and if there is a difference in the **tolls** of each of the plurality of areas. If only one area was retrieved in step 434 or if there is no difference in the **tolls**, the determination in step 438 is negative and, in the next step 444, either the is affirmative, the routine proceeds to step 442 where the area with the lowest **toll** from out of the plurality of areas is set as the area in which the...

...charge processing for a vehicle located outside the charge applicable area can be avoided and **toll** collection inside a buffer area becomes possible. Moreover, the charge applicable area with the lowest **toll** from among the charge applicable areas belonging to the determined buffer area is set as...

...designated. It is also possible to give precedence to the benefit of the user when **toll** free areas are included as these are given precedence.

Note that, in the above embodiment...

...approaching a charge applicable area, when a vehicle enters a area in which a parking **toll** is levied, and when a vehicle is approaching a area in which a parking **toll** is levied. By giving notification in this way, no charge can be processed without the...

...Note also that, in the above embodiment, a description has been given for when a **toll** is determined based on history information, however, it is also possible to perform successive charge...of entries (for example, (Yen)100 per entry) is added to this evaluation value, the **toll** is determined.

Accordingly, the **toll** is calculated (step 426) using the history information and the set calculation formula and, when...

...IC card 232 is loaded in the IC card read / write device 234, the calculated **toll** is stored in memory in the adding process (i.e. step 428 after a negative...applicable area.

Note that, in the present embodiment, a description is given of when a **toll** is determined on the basis of history information, however, the present embodiment can also be...

...is performed for the charge applicable areas, however, when a state in which a complete **toll** unit is not reached, the **toll** is discarded.



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Therefore, in the present embodiment, the **toll** is integrated when the state where a unit is not reached is maintained and held...

...shown in Fig. 13. Moreover, in the present embodiment, a description is given using the **toll** system shown in the following Table 4 for the vehicle location history information.

Next, the...

...are retrieved (step 434). A determination is then made as to whether or not a **toll** free area is contained in the areas that were obtained as a result of the retrieval (step 436). If a **toll** free area does exist (i.e. if the determination in step 436 is negative), area...

...is not performed (step 440) and the current routine is ended.

If there is no **toll** free area (i.e. the determination in step 436 is affirmative), a determination is made as to whether or not there is a difference in the **tolls** (step 438). If only one area was retrieved or if there is no difference in the **tolls** (i.e. the determination in step 438 is negative), either the single area or the...444). If, however, the determination in step 438 is affirmative, the area with the lowest **toll** from out of the plurality of areas is set as the area in which the...

...a charge unit, then, in the next step 490, charge processing is performed for the **toll** for the charge unit.

For example, as is shown in Fig. 18, the history information...

...traveling through a buffer area are integrated until they reach the unit for charging, and **toll** collection is then performed for that charge unit. Therefore, even if the area designation frequently changes, it is possible to collect a **toll** in accordance with those changes. (Fifth Embodiment)

The structure of the fifth embodiment is the...vehicle is traveling, it is possible to prevent the system from stopping and processing for **toll** collection can be performed continuously.

(Seventh Embodiment)

Because portions of the structure of the present...in accordance with the time of day shown in Table 5 below which indicates the **tolls** for each area.

If the charge conditions are set up in this way, the charge...

...condition uses the length of stay in the area shown in a table representing the **toll** for each area. The third condition uses the level of congestion in the area shown in a table indicating the **tolls** for each area, while the fourth charge calculation condition uses the speed at which a...

...an area (alternatively, the average speed within the area) shown in a table indicating the **tolls** for each area.

By including at least one table based on the above charge calculation conditions in the charge information, it is possible to specify both the area and the **toll** for the charge applicable area. Moreover, when the charge information is altered, there are cases...the table read from the memory 230, and then to calculate the amount of the **toll** to be charged by adding to the above multiplication value a value obtained by multiplying...

...charge information, it is possible not only to easily alter the charge applicable area and **toll** tables in the general center 40 when traffic conditions have changed due to various environmental...

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...processing automatically for a vehicle that has entered (a vehicle that has driven into) a **toll** facility (i.e. a charge applicable area). Note that the automatic charge system used in...

...the position of a vehicle is detected using the in-vehicle device, and the usage **toll** (driving **toll**) is settled on the basis of the result of the detection.

Because the structure of...

...area in accordance with the time of day shown in Table 7 below showing the **tolls** for each area.

As is shown in Fig. 31, the following interrupt processing is performed ...running will now be described further. Note that the description below is of when the **toll** varies in accordance with the number of entries a vehicle makes into a charge applicable...through the charge applicable area A. Thus the driver can avoid having to pay unnecessary **tolls**.

(Ninth Embodiment)

The system structure of the ninth embodiment of the present invention is shown...charge table is shown in Table 10. This charge table is a table showing the **tolls** when a charge is levied for each entry, and is used to charge a **toll** that corresponds to the number of entries (or times used).

The data of one set...

...data in the example shown in Table 10, the charge area is quadrangular (square). The **toll** information is differentiated by time slot and by type of vehicle.

The term of validity...

...adjacent and a charge table is allocated to each charging area.

The card issuing and **toll** settlement spots (card issuing and **toll** settlement booths) 71-73 shown in Fig. 35 issue IC cards CRD. These spots (service...

...spots, new IC cards can be issued, lost or damaged cards can be reissued, unpaid **tolls** (card balances in arrears) can be settled, and prepaid deposits can be increased (i.e...

...deposit is increased, and updates the data in the arrears database CDB when an unpaid **toll** is settled.

Fig. 37 shows the exterior of a case housing the main portions of...replacement notification" AFC, the card reading does not become possible and payment of past unpaid **tolls** is not completed and the card balance does not become a positive value, a check...data set, and are also transmitted to the control center 50 and card issuing and **toll** settlement booths 71 to 73. These establishments are able to perform data registration or take...

...Note that the usage error information is written in the control history tables in the "**Toll** collection and movement history collection" CRC (Fig. 52) described below, based on the history data...

...settlement data (card ID, vehicle ID, and card balance) arrives from the card issuing and **toll** settlement spots 71 to 73, if the received card balance is positive, the controller 32...time periods, and over long time periods corrects or abolishes the charge tables. In the **toll** collection control, the task of collecting an unpaid **toll** from (the owner of) the vehicle for which the absolute value of the negative value...

...vehicles and problem cards.

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The controller unit 32 of the notification station 30 executes the "**Toll** collection and movement history collection" CRC shown in Fig. 52 in a fixed cycle when...

...32 transmits charge requests via the communication device 31 and the antenna 40 at a **toll** collection timing that is set either in a fixed cycle (of approximately several minutes) or...

...WDB and is removed from the vehicle entry / departure database. TDB.

The data processing for **toll** collection by the controller unit 32 of the notification station 30 through the execution of the "**toll** collection and movement history collection" CRC described above requires the charging device 1 in the for collecting a **toll** is not performed by the notification station 30.

In order to more easily expose such...

...data in the memory. Moreover, if a user corrects an impropriety and pays an unpaid **toll**, it is necessary to erase the abnormality data in the abnormality history memory.

In order...data set, and are also transmitted to the control center 50 and card issuing and **toll** settlement booths 71 to 73. These establishments are able to perform data registration or take...Namely, charge table 13 which is based on distance units is used for charging a **toll** corresponding to the distance traveled within a charge area. Charge table 14 which is based on number of entries is used to charge a **toll** corresponding to the number of times a vehicle enters (i.e. uses) a charge area...that is performed when a vehicle enters a charge applicable area. Because one of the **toll** deduction processings using a card is performed when the vehicle enters the charge area, it...

...the vehicle is parked. When the vehicle enters a charge area in which a time **toll** charge table (Table 2) is applied, then when the ignition key switch IGsw is open...

...vehicle has to stay inside the charge area for a charge amount for a time **toll** to be calculated.

When the notification station 30 receives a request for a charge table ...

...based on charging for each entry (Table 4), the charge control ECU 2 extracts the **toll** (a positive value) from the table corresponding to the vehicle classification in the card data...If the charge table is one based on charging for distance traveled (Table 3), the **toll** is extracted from the table for each kilometer corresponding to the vehicle classification in the...

...to more than 60 (i.e. one hour) (410), if this is the case, the **toll** is extracted from the table for time units corresponding to the vehicle classification in the...

...register is equal to or more than 1 (kilometer), of this value multiplied by the **toll** for one kilometer and then clear the integral distance register. Therefore, each time the notification...

...time register is equal to or more than 60 (i.e. 1 hour), of the **toll** for one hour and then update the data of the integral time register to a ...Note that the usage error information is written in the control history tables in the "**Toll** collection and movement history collection" CRC (Fig. 16) described below, based on the history data...

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- ...based on charging for each entry (Table 10), the charge control ECU 2 extracts the **toll** (a positive value) from the table corresponding to the vehicle classification ...card balance in the card data in internal memory to a value from which the **toll** amount has been deducted (404, 405). In the same way, the data of the IC...
- ...made as to whether the card balance is a negative value (i.e. insufficient for **toll** payment) and if this is the case, "payment insufficient - settlement required" is displayed on the display device 4. Moreover, "card balance is insufficient. Please settle **toll**" is notified using synthesized voice via the voice synthesizing unit 10 and the speaker SP...
- ...charge table is one which charges on the basis of distance traveled (Table 14), the **toll** is extracted from the table for each kilometer corresponding to the vehicle classification in the...
- ...to more than 60 (i.e. one hour) (410), if this is the case, the **toll** is extracted from the table for time units corresponding to the vehicle classification in the...
- ...card data in the internal memory is then updated to a value from which the **toll** has been deducted (409 to 411). The contents of the integral time register are then...
- ...CLAIMS according to claim 1, wherein the generating means is provided with storage means in which **toll** data that is determined in advance and corresponds to the entry state is stored in advance, and the charge information is generated using **toll** data of the storage means.
- 3. The charging device according to claims 1 or 2, wherein the charge applicable area is formed from at least a **toll** area and a non- **toll** area, and the buffer area is set between the **toll** area and the non- **toll** area.
- 4. The charging device according to any of claims 1 to 3, wherein the charge applicable area is formed from at least a plurality of **toll** areas, and the buffer area is set between adjacent **toll** areas.
- 5. The charging device according to claim 4, wherein the plurality of **toll** areas contain **toll** areas that have different **toll** systems.
- 6. The charging device according to claim 5, wherein the buffer area is provided for each plurality of **toll** areas.
- 7. The charging device according to any of claims 1 to 6, wherein a **toll** for the buffer area is set based on a **toll** of one of adjacent areas.
- 8. The charging device according to any of claims 4 to 7, wherein a **toll** for the buffer area is set based on a **toll** of an area selected from a plurality of areas surrounding the buffer area.
- 9. The...
- ...any of claims 1 to 9, wherein the generating means generates charge information relating to **tolls** determined based on a distance traveled in the charge applicable area.
- 11. The charging device...
- ...according to claim 14, wherein the generating means is provided with storage means in which **toll** data that is determined in advance and corresponds to the entry state is stored in advance, and the charge information is generated using **toll** data of the storage means.
- 16. The charging device according to claims 14 or 15...one of claims 14 to 19, wherein the generating means generates charge information

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relating to **tolls** determined based on a distance traveled in the charge applicable area.

21. A charging device...

...information in the storage means via the reading and writing means in accordance with a **toll** charged for the charge area while the state information was being held.

24. A charging...

...information in the storage means via the reading and writing means in accordance with a **toll** charged for the charge area while the state information was being held.

25. A charging...

...information in the storage means via the reading and writing means in accordance with a **toll** charged for the charge area while the state information was being held.

26. The charging...

...information in the storage means via the reading and writing means in accordance with a **toll** charged for each charge area while the respective state information was being held.

27. The...information in the storage means via the reading and writing means in accordance with a **toll** charged for each charge area while the respective state information was being held.

29. The...

...information in the storage means via the reading and writing means in accordance with a **toll** charged for the charge area from the state information.

32. The charging device according to...

...information in the storage means via the reading and writing means in accordance with a **toll** charged for each charge area from state information formed for each of the charge areas.

2/3,K/7 (Item 7 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01075151

**ACCOUNTING APPARATUS, ACCOUNTING SYSTEM, AND ACCOUNTING CARD**

**VORRICHTUNG, SYSTEM, UND KARTE ZUR BUCHHALTUNG**

**APPAREIL, SYSTEME, ET CARTE DE COMPTABILITE**

**PATENT ASSIGNEE:**

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203740), 1, Toyota-cho, Toyota-shi,

Aichi-ken 471-8571, (JP), (Applicant designated States: all)

Aisin Seiki Kabushiki Kaisha, (203726), 1, Asahi-cho 2-chome, Kariya-shi,

Aichi-ken 448-0032, (JP), (Applicant designated States: all)

**INVENTOR:**

YANAGISAWA, Takashi, Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,

Toyota-shi, Aichi-ken 471-8571, (JP)

**KAKIHARA , Masaki ,** Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,

Toyota-shi, Aichi-ken 471-8571, (JP)

**FURUTA, Yasuyuki ,** Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho,

Toyota-shi, Aichi-ken 471-8571, (JP)

**TERADA , Haruhiko, Aisin Seiki Kabushiki Kaisha, 1, Asahi-cho 2-chome,**

Kariya-shi, Aichi-ken 448-0032, (JP)

**AOKI , Yasuyuki , Aisin Seiki Kabushiki Kaisha, 1, Asahi-cho 2-chome,**

Kariya-shi, Aichi-ken 448-0032, (JP)

**LEGAL REPRESENTATIVE:**

Search Report from Ginger R. DeMille

Leson, Thomas Johannes Alois, Dipl.-Ing. (78981), Patentanwalte  
Tiedtke-Buhling-Kinne & Partner, Bavariaring 4, 80336 Munchen, (DE)  
PATENT (CC, No, Kind, Date): EP 1050853 A1 001108 (Basic)  
WO 9938123 990729  
APPLICATION (CC, No, Date): EP 99901144 990122; WO 99JP246 990122  
PRIORITY (CC, No, Date): JP 9810937 980123; JP 9816137 980128; JP 9831737  
980213; JP 9837711 980219; JP 9837712 980219; JP 9837713 980219; JP  
9837714 980219; JP 98294309 981015  
DESIGNATED STATES: DE; ES; FR; GB; IT; NL; PT; SE  
INTERNATIONAL PATENT CLASS: G07B-015/00  
ABSTRACT WORD COUNT: 141  
NOTE:  
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200045	3203
SPEC A	(English)	200045	64683
Total word count - document A			67886
Total word count - document B			0
Total word count - documents A + B			67886

INVENTOR:

... JP)  
KAKIHARA , Masaki , ...

...JP)  
FURUTA, Yasuyuki , ...

...JP)  
TERADA , Haruhiko...

...JP)  
AOKI , Yasuyuki ,

...ABSTRACT device mounted in a vehicle 30. The device mounted in a vehicle  
30 collects a toll from a prepaid card or IC card or the like on the  
basis of the...

2/3,K/8 (Item 8 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00920854

System and method for controlling the use of a package of distributed  
application software

System und Verfahren zur Benutzungssteuerung von mehreren verteilten  
Anwendungsprogrammen

Systeme et procede de controle de l'utilisation d'un ensemble de programmes  
d'application distribues

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (1855501), 1006, Oaza Kadoma,  
Kadoma-shi, Osaka, (JP), (Proprietor designated states: all)

INVENTOR:

Uranaka, Sachiko, 3-13-8, Honkomagome, Bunkyo-ku, Tokyo, (JP)

Kiyono, Masaki , B-301, 4-3-4, Kajiwara, Kamakura-shi, Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Pellmann, Hans-Bernd, Dipl.-Ing. et al (9227), Patentanwaltsburo  
Tiedtke-Buhling-Kinne & Partner Bavariaring 4-6, 80336 Munchen, (DE)

Search Report from Ginger R. DeMille

PATENT (CC, No, Kind, Date): EP 840194 A2 980506 (Basic)  
EP 840194 A3 981007  
EP 840194 B1 030108

APPLICATION (CC, No, Date): EP 97108754 970602;

PRIORITY (CC, No, Date): JP 96286345 961029

DESIGNATED STATES: DE; FR; GB

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 1148407 (EP 2001117146)

INTERNATIONAL PATENT CLASS: G06F-001/00; H04L-009/32

ABSTRACT WORD COUNT: 119

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199819	9134
CLAIMS B	(English)	200302	5180
CLAIMS B	(German)	200302	4600
CLAIMS B	(French)	200302	5779
SPEC A	(English)	199819	11461
SPEC B	(English)	200302	11304
Total word count - document A			20598
Total word count - document B			26863
Total word count - documents A + B			47461

INVENTOR:

... JP)

Kiyono, Masaki ,

...SPECIFICATION user can use encrypted information which is recorded together with a public key of a toll center (a center public key) on a CD-ROM by encrypting with the center public...which plays a DVD 3, a telecommunication network 4, and a server 8 at a toll center of the provider 6 which provides the application package of the DVD 3.

FIG...

...key (PKs))) 31 the data of which is given by the server 6 at a toll center of the provider 6; a PKu)) (user-public-key)-encrypted application-encrypting key (Kv...with an identical volume ID can have different server public keys recorded. A plurality of toll center may be advantageously provided for application packages of the same title.

In order to...

...However, in this case the user has to be taken as the administrator of the toll server.

Many widely different embodiments of the present invention may be constructed without departing from...

...SPECIFICATION user can use encrypted information which is recorded together with a public key of a toll center (a center public key) on a CD-ROM by encrypting with the center public...client double-encrypts and sends a user's credit card number to one of the toll servers of the provider of the information; the server adds an amount (e.g., play... which plays a DVD 3, a telecommunication network 4, and a server 8 at a toll center of the provider 6 which provides the application package of the DVD 3.

FIG...

...key (PKs))) 31 the data of which is given by the server 6 at a toll

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center of the provider 6; a PKu))(user-public-key)-encrypted application-encrypting key (Kv...with an identical volume ID can have different server public keys recorded. A plurality of toll center may be advantageously provided for application packages of the same title.  
In order to...

...However, in this case the user has to be taken as the administrator of the toll server.

Many widely different embodiments of the present invention may be constructed without departing from...

2/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00602144

**Wide-area radio paging system**

**Personenfunkrufsystem fur den Fernbereich**

**Systeme de recherche de personnes de longue portee**

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome Minato-ku, Tokyo, (JP),  
(applicant designated states: DE;FR;GB;NL;SE)

INVENTOR:

**Kakihara**, Masashi, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,  
Tokyo, (JP)

LEGAL REPRESENTATIVE:

Abnett, Richard Charles (27531), REDDIE & GROSE 16 Theobalds Road, London  
WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 595592 A2 940504 (Basic)  
EP 595592 A3 940824  
EP 595592 B1 980715

APPLICATION (CC, No, Date): EP 93308508 931026;

PRIORITY (CC, No, Date): JP 92287209 921026

DESIGNATED STATES: DE; FR; GB; NL; SE

INTERNATIONAL PATENT CLASS: H04M-003/42; H04M-011/02;

ABSTRACT WORD COUNT: 211

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9829	542
CLAIMS B	(German)	9829	479
CLAIMS B	(French)	9829	750
SPEC B	(English)	9829	1555
Total word count - document A			0
Total word count - document B			3326
Total word count - documents A + B			3326

INVENTOR:

**Kakihara**, Masashi, c/o NEC Corporation...

...SPECIFICATION station to a wide-area pager is translated into the telephone numbers of the remote toll areas to which the pager is entitled to receive paging signals. While satisfactory for such...

...terminal 2-1 further includes a wide-area memory 24 which stores telephone numbers (including toll and local area codes) of those pagers registered to wide-area paging service. An outgoing...an outgoing calling signal. If the paging terminal 2-2 is one of such remote toll0 areas,



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this calling signal is directly transmitted from interface 25 to interface 20 of adjacent...

2/3,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00525633

Semiconducteur integrated circuit device allowing change of product specification

Integrierte Halbleiterschaltungsanordnung mit Möglichkeit, die Produktspezifikation zu ändern

Dispositif de circuit integre a semi-conducteurs permettant la modification de specification de produit

PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken 210-8572, (JP), (applicant designated states: DE;FR;GB)

TOSHIBA MICRO-ELECTRONICS CORPORATION, (1104610), 25-1, Ekimaehoncho, Kawasaki-ku, Kawasaki-shi, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Numata, Kenji, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)

Ogihara, Masaki, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)

LEGAL REPRESENTATIVE:

Lehn, Werner, Dipl.-Ing. et al (7471), Hoffmann Eitle, Patent- und Rechtsanwälte, Postfach 81 04 20, 81904 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 530714 A2 930310 (Basic)  
EP 530714 A3 941228  
EP 530714 B1 990506

APPLICATION (CC, No, Date): EP 92114765 920828;

PRIORITY (CC, No, Date): JP 91219926 910830; JP 92221694 920820

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G11C-005/00;

ABSTRACT WORD COUNT: 162

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9918	1548
CLAIMS B	(German)	9918	1371
CLAIMS B	(French)	9918	1782
SPEC B	(English)	9918	10761
Total word count - document A			0
Total word count - document B			15462
Total word count - documents A + B			15462

INVENTOR:

... JP)

Ogihara, Masaki, c/o Intellectual Property Div...

...SPECIFICATION supplied with outputs I/O 00)) to I/O 31)) from the sense amplifiers 110)) toll13)). The select circuits 30000)) to 30031)), which are supplied with signals E and F, produce...

2/3,K/11 (Item 11 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00456105

**Method of forming three dimensional patterns.**

**Verfahren zur Herstellung von drei-dimensionalen Mustern.**

**Procede pour la fabrication de modeles tridimensionnels.**

PATENT ASSIGNEE:

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3-chome Chiyoda-ku, Tokyo, (JP), (applicant designated states:  
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INVENTOR:

Tsuchida, Katsunori, c/o Mitsui Petrochemical, Industries, Ltd., 1-2,  
Wagi 6-chome, Wagi-cho, Kuga-gun, Yamaguchi, (JP)  
Watanabe, Yasuo, c/o Mitsui Petrochemical, Industries, Ltd., 1-2, Wagi  
6-chome, Wagi-cho, Kuga-gun, Yamaguchi, (JP)  
Suzuki, **Yasuyuki**, c/o Mitsui Petrochemical, Industrial Products, Ltd.  
39,10, Yushima 3-chome, Bunkyo-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Hansen, Bernd, Dr. Dipl.-Chem. et al (4921), Hoffmann, Eitle & Partner  
Patent- und Rechtsanwälte, Postfach 81 04 20, D-81904 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 441391 A2 910814 (Basic)

EP 441391 A3 920812

EP 441391 B1 950118

APPLICATION (CC, No, Date): EP 91101761 910208;

PRIORITY (CC, No, Date): JP 9029976 900209; JP 90294227 901031; JP 9089861  
900828

DESIGNATED STATES: DE; DK; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: E04F-013/02; B44C-001/18; B29C-039/10;

ABSTRACT WORD COUNT: 89

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF2	431
CLAIMS B	(English)	EPBBF2	225
CLAIMS B	(German)	EPBBF2	190
CLAIMS B	(French)	EPBBF2	266
SPEC A	(English)	EPBBF2	5632
SPEC B	(English)	EPBBF2	4307
Total word count - document A			6063
Total word count - document B			4988
Total word count - documents A + B			11051

INVENTOR:

... JP)

Suzuki, **Yasuyuki**, c/o Mitsui Petrochemical...

...SPECIFICATION with the surfacing material makes it difficult to remove  
the mold 3 efficiently, a blade **toll** such as a scraper may be used to  
assist in the removal step. The operator...

...SPECIFICATION with the surfacing material makes it difficult to remove  
the mold 3 efficiently, a blade **toll** such as a scraper may be used to  
assist in the removal step. The operator...

2/3,K/12 (Item 1 from file: 20)

DIALOG(R) File 20:Dialog Global Reporter

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Search Report from Ginger R. DeMille

21237507 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Patients with Rare Disease Await Approval of Cambridge, Mass., Firms' Drugs**

Naomi Aoki

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (BOSTON GLOBE - MASSACHUSETTS)

February 13, 2002

JOURNAL CODE: KBGL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1298

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Naomi Aoki

... family, especially his young nieces, his friends, and occasional fishing trips. But waiting takes its toll. Grosso, 39, doesn't qualify for ongoing clinical trials because he's had a kidney...

**2/3,K/13 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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19446779 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Internet Sites Illegally Sell Cipró, Phony Pills, Other Medications**

Naomi Aoki

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (BOSTON GLOBE - MASSACHUSETTS)

October 23, 2001

JOURNAL CODE: KBGL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1088

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Naomi Aoki

... of reaching the drug-buying public. Some ran small ads in newspapers or magazines offering toll-free numbers to order prescription drugs. But the message never reached many people.

The advent...

**2/3,K/14 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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12917227 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Cambridge, Mass., Company Has Hopes for Test to Detect Infant Blood Infection**

Naomi Aoki

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (BOSTON GLOBE - MASSACHUSETTS)

September 20, 2000

JOURNAL CODE: KBGL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 873

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Naomi Aoki

... a year is spent nationwide caring for newborns who aren't septic. And the emotional toll is even greater, they say, causing parents tremendous worry and grief.

Now a Cambridge company...

?

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? t1/9/

1/9/1

DIALOG(R)File 654:US PAT.FULL.

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4705473 \*\*IMAGE Available

Derwent Accession: 2002-335485

**Utility**

E/ **Integrated traffic monitoring assistance, and communications system**

Inventor: Mizunuma, Ichiro, Brighton, MA

Masaki, Ichiro, Boxborough, MA

Assignee: Mitsubishi Denki Kabushiki Kaisha (03), Tokyo, JP

Massachusetts Institute of Technology (02), Cambridge, MA

Massachusetts Institute of Technology

Mitsubishi Denki K K JP (Code: 52912 56262)

Examiner: Nguyen, Tan (Art Unit: 361)

Law Firm: Leydig, Voit & Mayer, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6411889	A	20020625	US 2000657522	20000908

Current US Classification (Main): 701117000 (X-ref): 340928000; 701207000

US Classification on document (Main): 701117 (X-ref): 701207; 340928

International Classification (Edition 1): G08G-001/01

Examiner Field of Search (US): 701117; 701207; 340928; 340933; 705013

**Cited US Patents:**

Patent Number	Date YYYYMM	Main US Class	Inventor
US 4006315	197702	179082	Halstead
US 5602375	199702	235384	Sunahara
US 5717390	199802	340933	Hasselbring
US 5850191	199812	340928	Yagi
US 5872525	199902	340928	Fukasawa
US 5963149	199910	340933	Nagura
US 6064320	200005	340933	D'Hont
US 6166659	200012	340928	Kusano
US 6219613	200104	701207	Terrier
US 6269302	200107	701207	Yoshida

Fulltext Word Count: 7046

Number of Claims: 12

Exemplary or Independent Claim Number(s): 1

Number of Drawing Sheets: 9

Number of Figures: 11

Number of US cited patent references: 10

Calculated Expiration Date: 20200908

**Abstract:**

A traffic monitoring, driver assistance, and communications system includes lane terminals arranged along a direction of travel of a highway, each lane terminal including a sensor for detecting passage of a vehicle, a communication antenna, a terminal transceiver for communicating with a passing vehicle through the communication antenna, and a network backbone linking the lane terminals to a data processor for compiling information on passing vehicles sensed. The system permits complex toll assessment on toll roads. By using a larger number of short

## Search Report from Ginger R. DeMille

range antennas, cellular communication is possible with a very large number of moving vehicles without increasing bandwidth because the cells are relatively small.

### Summary of the Invention:

#### FIELD OF THE INVENTION

The present invention relates to vehicular traffic, particularly on long distance high speed highways, monitoring of the traffic, providing assistance to drivers in the traffic based upon the traffic monitoring and communication with specific vehicles in the traffic. The communications may originate from a vehicle, for example, identifying the vehicle and its location, may be sent to the vehicle to provide driving assistance, or may be sent to and received from the vehicle, for example, as in telephone communications. Further, the system provides for prioritizing travel on a multiple lane highway and for adjusting tolls charged for the use of the highway.

#### BACKGROUND

Communication with vehicles on high speed, long distance highways, monitoring traffic on the highways, and monitoring the positions and speeds of specific vehicles on the highways present substantially difficulties. In conventional mobile communications systems, for example, mobile telephones, fixed antennas are installed in the vicinity of highways. Usually, these antennas are elevated, for example, located on the tops of towers or buildings, in order to provide a large area of communication with vehicles. Each fixed antenna at least partially defines a cell and in typical cellular telephone communication, communication shifts from antenna-to-antenna, as a mobile transmitter moves between cells, usually without the notice of the persons, mobile or fixed, who are communicating.

The relatively widely spaced fixed antennas for cellular communication along highways have limitations. For example, each cell has a limited bandwidth from which channels for communication can be assigned. Thus, if too many telephone calls are attempted within a single cell at the same time, all channels may be placed in use so that some potential callers will not be assigned channels and will be unable to establish communication.

If traffic on a highway is to be monitored, and particularly if speeds and positions of individual vehicles are to be determined, simultaneous communication with each of the vehicles on the highway is required. Each vehicle requires a channel for communication. Absent a complicated multiplexing scheme, the bandwidth needed for communication within a typical mobile telephone cell between all of the vehicles traveling on a high speed long distance highway and a fixed antenna readily exceeds the available bandwidth. Therefore, such traffic monitoring is not even theoretically feasible. The bandwidth problem cannot be solved by increasing the available bandwidth because of the number of channels that would be required and limited electromagnetic spectrum availability.

#### SUMMARY OF THE INVENTION

It is an object of this invention to solve the problem imposed by the limited bandwidth available for communication with vehicles, particularly vehicles on a multiple lane high speed long distance highway, so that communication can occur with a large number of vehicles without the necessity of increased bandwidth of the communications.

According to a first aspect, a traffic monitoring system includes lane terminals for detecting passage of a vehicle, a communication antenna, a terminal transceiver for communicating with a passing vehicle through the communication antenna, and a network backbone linking the lane terminals to a data processor for compiling information on passing vehicles sensed.

In a preferred arrangement, a traffic monitoring system for a highway includes first and second adjacent lanes for travel in the same direction, including a first line of the lane terminals located along an

outside edge of the first lane, a second line of the lane terminals located between the first and second lanes, and a third line of the lane terminals located along an outside edge of the second lane, each of the first, second, and third lines of the lane terminals including respective network backbones connected the respective first, second, and third lines of the lane terminals.

It is particularly preferable that the system include at least one transverse link interconnecting the first, second, and third network backbones and a principal network backbone connected to the transverse link and providing an interconnection between the first, second, and third lines network backbones and the data processor.

The traffic monitoring system most preferable includes a traffic data base connected to the data processor through the principal network backbone for storing traffic information including passing vehicles detected by the sensor for processing by the data processor.

The traffic monitoring system provides for cellular communication with moving vehicles wherein groups of lane terminals define communication cells for communication with vehicles traveling on the highway and a cell management data base is connected to the data processor for identifying positions of specific vehicles on the highway with respect to the communication cells.

For increased utility, the traffic monitoring system may include a toll server connected to the principal network backbone and receiving information from the lane terminals for determining a toll of a vehicle traveling on the highway based upon the lane traveled by the vehicle.

For greatest utility, the traffic monitoring system includes mobile transceivers mounted on respective vehicles for sending signals to the lane terminals identifying the respective vehicle on which a transceiver is mounted.

Simpler systems may omit communication antennas in the lane terminals or vehicle sensors in the lane terminals.

#### Description of the Drawings:

##### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a schematic plan view of a portion of a highway including an integrated traffic monitoring, driver assistance, and communication system according to an embodiment of the invention.

FIG. 2 is a perspective view illustrating serially arranged lane terminals according to an embodiment of the invention.

FIG. 3 is a more detailed view of a single lane terminal according to an embodiment of the invention.

FIG. 4 is a cross-sectional view of a highway including an integrated traffic monitoring, driver assistance, and communications system according to an embodiment of the invention.

FIGS. 5(a) and 5(b) illustrate a lateral position detecting apparatus according to an embodiment of the invention.

FIGS. 6(a) and 6(b) illustrate an alternative lateral position detecting apparatus according to an embodiment of the invention.

FIG. 7 is a graph showing signals in a lateral position detecting apparatus according to the invention.

FIG. 8 is a schematic plan view of a driver assistance system according to the invention.

FIG. 9 is a schematic plan view of a highway illustrating another application of a system according to the invention.

In all figures, like elements are given the same reference numbers.

#### Description of the Invention:

##### DESCRIPTION OF PREFERRED EMBODIMENTS

In the invention, the problem of limited bandwidth of relatively widely spaced antennas, each antenna covering a large area for communication with vehicles, is solved by providing a relatively large number of fixed

short range transceivers. The transceivers include transmitters with relatively short ranges as compared to the range of conventional cellular telephone communication antennas. The transceivers are located relatively close to each other along and within a highway so that the distance between a vehicle and an antenna of a transceiver is very short compared to the average distance between a vehicle and a conventional cellular telephone fixed antenna. Because the transmitting range of the transmitter part of the transceivers is short and the transmitter is relatively close to vehicles, each transmitter can reach only a few vehicles at one time. Accordingly, communication channels can be repeatedly used in relatively close proximity, especially compared to the separation distances between adjacent antennas in a conventional cellular telephone system. Thus, the available bandwidth for communications between the vehicles and specific transceivers is rarely, if ever, exceeded.

#### Lane Terminals

FIG. 1 is a schematic plan view of a portion of one-half of a highway 1 including three lanes in which traffic moves in the same direction, i.e., to the left in FIG. 1. At each margin of the highway 1 and between each of the pair of adjacent lanes of the highway 1, lines of a plurality of lane terminals 2 are longitudinally arranged. As used here, "longitudinal" means that the lane terminals are aligned with the direction of travel on the highway 1. As shown in FIG. 1, the lane terminals are arranged end-to-end in each line. An arrangement showing three of the lane terminals 2 positioned end-to-end is illustrated in FIG. 2. FIG. 3 shows a single lane terminal 2 in greater detail. Preferably, each lane terminal 2 has a length of tens of meters, for example, from ten to thirty meters, and is relatively narrow, for example, thirty to sixty centimeters. These dimensions permit ready installation of the lane terminals in a highway.

Each lane terminal, as shown in FIG. 2, includes a box or package 3 having an open top closed by a cover 4. The box 3 is received in a vault 5 prepared in the road or at the side of the road so that the cover 4 is, preferably, level with the surface of the road and is not a raised barrier nor a depression that may pose a danger to a driver. As shown in FIG. 2, each of the lane terminals 2 in a line is linked by a network backbone 6 that extends along and, possibly, through, the lane terminals. Within each of the boxes 3 of the lane terminals, there are included, as best shown in FIG. 3, an antenna 7, preferably extending along and nearly the length of the lane terminal, a vehicle sensor 8, preferably including a loop antenna, and a communication node 9. Preferably, the antenna 7 is a linear antenna, for example, a leaky coaxial cable antenna, for providing short range communications over a relatively long length, i.e., at least the length of the lane terminal. However, other types of antennas that are not elongated may be used as the antenna 7 as well. The vehicle sensor 8, which includes circuitry in the common communication node 9, responds to the nearby passage of a vehicle or like metallic object by generating a signal, i.e., a pulse, that is relatively easy to detect. The communication node 9 includes a transceiver for transmitting and receiving information, through the antenna 7, from and to a remote site through the network backbone 6. Likewise, the communication node 9 supplies information from the vehicle sensor 8 to a remote site. The communication node receives power from power lines 10 extending along, and, possibly, through, the lane terminals. The communication node 9 is connected to the network backbone 6 through a line 11. The network backbone 6 is preferably an optical fiber communications link capable of carrying a large quantity of information simultaneously. Thus, the communication node 9 includes circuitry for converting optical signals into electrical signals and for the reverse transformation in order to receive information and instructions optically and to provide an optical output.

Returning to FIG. 1, it is apparent that each of the lines of lane terminals 2 includes a separate network backbone 6. These network backbones are connected to a traffic monitoring and communications center that may be remote from the highway where traffic monitoring is occurring. The respective network backbones 6 may be connected to each other at various locations by transverse links 20, as illustrated in FIG. 1. Each transverse link 20 extends transverse to the lines of the network backbones 6 of a similar position across the lanes and interconnects the respective network backbones. The transverse links 20 may provide connection of all the network backbones to a principal network backbone 21 that supplies information gathered in regions of the highway 1 to the traffic monitoring and communication center remote from some or all of the highway region being monitored. The arrangement of transverse links 20 enables the network backbones 6 alongside the traffic lanes to be of limited length, i.e., segmented, while the principal network backbone 21 is the only longer, continuous length communications line.

Connections to the principal network backbone are not limited to the lane terminals with their respective vehicle sensors and communication antennas. In addition, to the lane terminals, video cameras, such as the cameras 22 and 23 shown in FIG. 1, may be connected to the principal network backbone 21 in order to supply video images of highway traffic. Of course, the video cameras may be less effective than the radio communication system described here, since the video images are subject to deterioration depending upon lighting and weather conditions. At least one computer 24 is also connected to the principal network backbone, either at various regions along the highway being monitored or at the remote monitoring and communication center for processing of the data supplied by the lane terminals and for providing information and commands to the lane terminals. As described in more detail below, the computer is a data processor that may track the locations and speeds of vehicles traveling on the highway and may regulate other functions of the system. Among those functions are compiling of information concerning vehicles, processing information that is stored in a cell management data base 25, and maintaining and analyzing data in a traffic data base 26, each of which is connected to the principal network backbone 21.

#### Vehicle Transceivers and Position Detection

In order to make the system fully effective, vehicles traveling on the highway including the system are preferably equipped with a transceiver 31 as schematically illustrated in FIG. 4. There, a vehicle 30 includes the transceiver 31 connected to an antenna 32, preferably extending from beneath the vehicle so that the antenna 32 is relatively close to the antennas 7 of the lane terminals 2 and not blocked by the vehicle itself. As shown in that FIG. 4, when, as preferred, the lane terminals 2 are located between adjacent pairs of lanes, the antenna 32 of a vehicle within a lane is always relatively close to two of the lane terminals.

Vehicle 30 is also schematically illustrated in FIG. 1 between a pair of lane terminals 2 and passing between the respective vehicle sensors 8 of those lane terminals. Each transceiver 31 in a vehicle is arranged to transmit, as requested, for example, by a signal sent by the nearest lane terminals in response to sensing of the presence of the vehicle by the sensors 8, a vehicle identifying signal. Thus, the transceiver 31 may function as a transponder producing vehicular identifying information that is received by the antennas 7 of each nearest lane terminals 2, the same antennas from which corresponding interrogating signals have been transmitted. The vehicle identification information, uniquely assigned to each vehicle, provides reference information, establishing the location of the vehicle. A similar transponder interaction occurs at each pair of lane terminals on opposite sides of the lane in which the vehicle is traveling. Moreover, since the distance between end-to-end lane terminals in a line and their respective vehicle sensors is well established, the speed of the vehicle can be determined from the time difference between



the transponding events at lane terminals along one or more lines of the lane terminals. Moreover, the lateral position of the vehicle, i.e., the lane in which it is traveling, is readily determined since each of the lane terminals is likewise uniquely identified as to its position.

Of course, the passage of vehicles may be sensed by vehicle sensors 8 that are present in lane terminals not adjacent to the passing vehicle. However, by employing comparisons of signals transmitted from the vehicle and received at respective lane terminals, the lane terminals closest to the vehicle can be determined. For example, a comparison of signal strengths or the phases of the signals received from the vehicle through the antenna 32 can be used to eliminate spurious signals from lane terminals not adjacent to a vehicle. The vehicle position and speed information may be transmitted through one of the transverse links 20 to the principal network backbone 21, received at and processed by the computer 24, and stored in at least one of the data bases 25 and 26. As described below, this information can be used for a variety of purposes. In all instances, time is an important factor in obtaining useful information for real time use or historical analysis. Thus, each lane terminal records the time a vehicle is sensed by the sensor 8 and the time of other traffic monitoring transactions and includes time data in the traffic information sent for processing in the computer 24 at the monitoring site.

#### Alternative Vehicular Position Sensing

A useful application of the system concerns establishing the position of a particular vehicle along a lane and within a lane. Each lane terminal may transmit a signal, in addition to signals for mobile communication, that is unique for the particular margin of a particular lane. In other words, the signal uniquely identifies the position on the highway of the lane terminals relative to the lanes of the highway. A vehicle with a transceiver or receiver can determine its precise position along a highway from the unique identification information broadcast by the lane terminals. Using one or more antennas mounted on the vehicle, the lateral position of the vehicle, i.e., the distances from the antenna to the two lane edges nearest the vehicle, can be determined. Using this feature, a vehicle can determine its lateral position relative to the boundaries of the lanes, to maintain that position. Changing of lanes or incursion into an adjacent lane may trigger an alarm. Alternatively, the lateral position can be passively determined for transmission to a central traffic control and monitor. Mechanisms for these determinations are now described.

Two alternative embodiments for detecting lateral positioning are illustrated in FIGS. 5(a) and 5(b) and in FIGS. 6(a) and 6(b). In the apparatus employed in these examples, millimeter radio waves, i.e., having frequencies ranging from about 50 to about 80 GHz, are employed. At these frequencies, the signals are highly directive so that the electromagnetic waves may be focused into a narrow beam. For example, in some vehicular radar devices, the beam may have an angle of only one or two degrees.

As shown in FIG. 5(a), each lane terminal 2 includes a millimeter wave transmitter 60 producing a beam 61 of electromagnetic waves, and a millimeter wave receiver 62. As described below, the apparatus can be entirely passive, i.e., the vehicle 30 does not need to include any receiver or transmitter. In another embodiment, the vehicle includes two receivers 63 and 63' spaced from each other and arranged on the vehicle to interact with the lane terminals 2 located at the boundaries between adjacent lanes.

In the arrangement illustrated in FIG. 5(a), a cross-sectional view similar to FIG. 4, the vehicle 30 is in the center of the lane. The beams 61 of the respective millimeter wave transmitters 60 are sufficiently wide so that the transmitters 60 send respective signals that reach the vehicular-mounted receivers 63 and 63'. With both of the

vehicular-mounted receivers 63 and 63' receiving signals, the operator of the vehicle can be informed that the vehicle is centered within the lane. When the vehicle 30 drifts laterally toward one of the lane boundaries, for example, toward the left as shown in FIG. 5(b), receiver 63' no longer is in a position to receive the millimeter waves whereas the receiver 63 continues to receive those waves. By comparing the signals produced by the two receivers 63 and 63', the relative location of the vehicle within the lane can be determined. While FIG. 5(b) illustrates movement of the vehicle 30 to the left, a similar result occurs, although inverted with respect to the vehicular-mounted receivers 63 and 63', when the vehicle 30 moves sufficiently to the right from the center of the lane. This arrangement clearly also provides for the detection of a lane change.

Although the foregoing example presumes that two receivers 63 and 63' are mounted on the vehicle 30, a similar positioning apparatus may be passive in order to provide lateral positioning information to a central location without providing the information to the vehicle operator. In that arrangement, the receivers 61 in the lane terminals sense reflected millimeter waves transmitted from the corresponding transmitter 60 in the lane terminals. Those reflected waves are produced by vehicles passing nearby and sufficiently close to the lane terminals to intersect the transmitted narrow millimeter wave beams. This passive system is somewhat analogous to conventional radar.

In FIGS. 6(a) and 6(b), an alternative to the arrangement of FIGS. 5(a) and 5(b) is illustrated. In this arrangement, the lane terminal 2 is located centrally within a lane. This alternative may reduce costs by saving some lane terminals that would be present if lane terminals are located at each boundary between adjacent pairs of lanes. As illustrated in FIG. 6(a), when the vehicle 30 is relatively centrally located within a lane, both of the receivers 63 and 63' on the vehicle receive signals of the single transmitted millimeter wave beam. However, when the vehicle 30 moves significantly within the lane, for example, to the left as illustrated in FIG. 6(b), only the receiver 63' receives the relatively narrow beam signal. The loss of the signal at receiver 63 indicates the lateral movement of the vehicle relative to the center of the lane. A similar but inverse effect is experienced if the vehicle moves to the right, rather than to the left as illustrated in FIG. 6(b).

The arrangement with the lane terminals in the center of the lane as illustrated in FIGS. 6(a) and 6(b) can likewise be used to passively determine the passage of a vehicle. As in the passive detection described with regard to FIGS. 5(a) and 5(b), the passage of a vehicle causes reflection of the millimeter waves and their detection by the receiver 62 within the lane terminal 2. However, with the central lane location of the lane terminal 2, the lateral location of the vehicle cannot be determined since only a single reflection is detected, not more than one simultaneous signal detection.

Although the arrangements illustrated with respect to FIGS. 5(a)-6(b) enable a general determination of the lateral position of a vehicle with respect to a lane, if more precise lateral position information is required, a more sophisticated position determining technique may be used. For example, one technique, similar to the Global Positioning System, that employs lane terminals at boundaries between each pair of adjacent lanes determines position from the phase difference between synchronized radio waves transmitted from lane terminals on opposite sides of the lane. FIG. 7 is a graph illustrating an example of this technique. The abscissa represents position within a lane between the two lane terminals at the margins of the lane. The uppermost curve indicates a continuous signal transmitted from the lane terminal at the right edge of the lane. Typically, the frequency of the signal may be 2.4 GHz, a frequency used in commercial wireless local area networks. This signal is designated w

right. The middle curve of FIG. 7, the signal w left, represents a signal propagating from the lane terminal at the left edge of the lane. The two signals w right and w left have a constant phase relationship. The lowest curve in FIG. 7 is the difference between the two signals w right and w left.

This difference signal does not change with time because of the constant phase relationship between the two other signals. The amplitude of the difference signal can be determined at a vehicle with appropriate signal processing and analysis equipment. That amplitude has a zero value when the vehicle is exactly centered in the lane and varies between maximum and minimum values with a period determined by the frequency of the transmitted signals at points different from the center of the lane. The difference signal is determined from signals received by two receivers on the vehicle and the difference signal is processed by a computer to detect amplitude and phase so that the position of the vehicle laterally within the lane is precisely determined.

#### Cellular Communication

The system is capable of monitoring and communicating with a large volume of traffic because of the short range of the communications between each vehicle and the lane terminals on opposite sides of the vehicle. In essence, each such pair of lane terminals defines a cell, similar to a cell of a cellular telephone. However, because the broadcast range of the communication node 9 and the transceiver 31 are relatively short, relatively few vehicles can be considered to be present in the same cell at the same time. A cell is not necessarily limited to two lane terminals on opposite sides of a lane but may include several such lane terminals in the direction of travel of vehicles as well as transverse to the direction of travel of the vehicles. Even when many lane terminals are considered as a group, i.e., one cell, because the number of vehicles present in any single cell at any given time is limited, the total bandwidth, i.e., number of channels, available for each cell will not be exceeded. Only a few channels are needed for each cell and those channels may be reused in nearby cells without interference because of the short range of communication. In other words, far more efficient use of the radio frequency spectrum is achieved in the invention using relatively small cells with a very large number of antennas as compared to the conventional cellular communication telephone system using much larger cells and far fewer antennas. The cell size and definition, which need not be uniform, is controlled and monitored by the cell management data base 25.

The communication between the lane terminals and vehicles having transceivers is easily established using known technology. For example, wireless local area network technology standard systems may be used. Examples are those of IEEE Standards 802.11 and 802.1 lb. This standard provides a relatively short maximum range that is long enough for the present invention. Bandwidths according to these standards are 2 Mbps and 11 Mbps, more than sufficient for practice of the invention with a busy highway. Moreover, these standards provide for "hand-off" when a mobile transceiver moves from one cell to another cell, i.e., from communication with one fixed antenna to communication with another fixed antenna, the fixed antennas being located in lane terminals in embodiments of the invention.

Although vehicles containing transceivers or transponders have been described, in order to determine the speed of a specific vehicle and its passage, it is not essential to the system that a vehicle include such a transceiver. Rather, the vehicle sensors 8 are sensitive to the passage of any vehicle, even if the vehicle cannot be identified from a signal transmitted by the vehicle, and the speed of the vehicle can be calculated based upon the time difference between sensing of the vehicle

at pairs of lane terminals arranged in a line, end-to-end, on opposite sides of a lane. However, if a vehicle includes a transceiver, many additional functions can be realized by the system.

One example of the use of the system is in cellular communication. Each mobile terminal on a vehicle sends and receives polling messages to and from the cell management data base 25 connected to the principal network backbone 21 that, in turn, is connected to the lane terminals by the respective lane network backbone 6 and the transverse links 20. When a node, either on a vehicle or at a fixed location, wishes to communicate with a mobile transceiver on a vehicle, the position, i.e., cell, of the mobile transceiver will be identified by making an inquiry to the cell management data base 25. The inquiry may use, for example, the Internet protocol address assigned to the mobile transceiver if the system network is connected to the Internet, as a search key. Alternatively, different identifying codes, uniquely identifying each mobile transceiver, can be used to locate the cell containing a mobile transceiver of interest to establish communication in the same manner that communication is presently established in cellular telephone systems. The difference from the conventional cellular telephone arrangement is in the size and number of the cells and the precision with which the location of a vehicle is determined. Although the cell management data base 25 is shown in FIG. 1 as being at a single location connected to the principal network backbone 21, in fact, particularly when there is a large volume of data to be processed and stored, i.e., where a highway being monitored extends over a long distance, the cell management data base may consist of numerous such sub-data bases or duplicate cell management data bases located at several locations. In any event, when the mobile transceiver is identified, communication is established as in conventional cellular telephone systems, with cell-to-cell switching, as the vehicle travels on the highway. The novel system differs from the conventional system in that two-way communications can be established with a very large number of vehicles simultaneously without exceeding the bandwidth available for cellular telephone communications because of the short range of communication, i.e., the small size of the cells, and the resultant efficient bandwidth usage.

#### Compilation of Traffic Information

In a further application, as already explained, the speed of a vehicle can be determined by measuring the time elapsed between passage of a vehicle along two adjacent end-to-end lane terminals. When the vehicle includes a transceiver or transponder, uniquely identifying the vehicle, the position information of specific vehicles can be sent to the traffic data base 26. For vehicles without transceivers or transponders, the number of vehicles passing particular locations as a function of lane and time can also be determined and sent to the traffic data base 26. There, traffic information can be compiled. The current density of traffic in various areas of the highway can be determined to provide information and assistance to drivers as described below. Changing traffic density and traffic patterns can be obtained from mathematical analysis of the traffic data base 26 for real time traffic monitoring and for later analysis of historic traffic patterns to provide improvements in transportation and traffic regulation. As with the cell management data base 25, the traffic data base 26 may be located in a single location or distributed among a plurality of data base memories located at various locations along a highway or at a remote traffic monitoring center.

#### Driver Assistance

In addition to the applications of the novel system already described, the invention can be employed to assist drivers of vehicles by providing information that could not otherwise be obtained by the drivers. The driving assistance information can be derived from the lane terminals themselves or from a central traffic monitoring station using the traffic data base 26. As already described, the traffic data base 26 collects

information on the current locations of vehicles, their speeds, the density of traffic, and like information. This information can be analyzed and information from the analysis can be transmitted through the lane terminals to a vehicle equipped with a transceiver. For example, a display may be provided in a vehicle showing the locations of the closest other vehicles. Information on the locations, lanes, and speeds of the nearby vehicles is available from the traffic data base. Accordingly, a driver can be warned concerning an approaching speeding vehicle, possibly endangering the vehicle receiving the information. The location of nearby vehicles can supply information assisting a driver in attempting to change lanes by warning of danger of a collision with other vehicles in making the lane change. A driver can be warned of too rapid an approach toward a vehicle ahead.

An example of a graphical display of driver assistance information is illustrated in FIG. 8. There, the driver's own vehicle 40 is shown in a particular lane and other vehicles 41 and 42 in adjacent lanes are illustrated. While no other vehicle is shown in the same lane as the vehicle 40 in which the display is present, warnings can be provided if the driver is approaching a vehicle ahead too rapidly, posing a risk of collision as well as indicating the approach from behind of a vehicle that also may be moving at a speed that raises the possibility of a collision. In addition, as illustrated by the indicator 43 in FIG. 8, the display may include a warning of traffic congestion, an accident, or another obstacle ahead, notifying a driver well in advance of approaching the scene of a delay and enabling avoidance of the obstacle. The information identifying the existence of such an obstacle, including traffic congestion, is obtained from the traffic data base 26 and periodically transmitted via the lane terminals to vehicles equipped with driver assistance apparatus. The information used to provide the display can even be used to effect steering and/or braking of a vehicle to avoid a collision.

The traffic data base 26 may be employed not only to provide real time information in a graphic display, as in FIG. 8 or in another form, but also to compile historical information. To assist analysis of that historical information in addition to the vehicular identification, location, and speed information gathered, environmental information, such as temperature, precipitation, and road condition over time, and even video streams obtained from the television cameras 22 and 23 may be stored for later analysis.

#### Prioritization of Lane Usage

In applications of the invention previously described, all vehicles equipped with transponders or transceivers have, essentially, equal status. However, a prioritization system can be established through particular identification codes of vehicular transponders. An example of such an application is illustrated in FIG. 9. In that plan view of three lanes of a highway, a lane 45 is given the highest priority, i.e., has the highest speed of travel. A center lane 46 of the three lanes is a lower speed travel and lower priority lane. Finally, lane 47 is the lowest speed and priority lane.

Traffic can be prioritized in these lanes 45, 46, and 47 based upon public interest, purpose of travel, and other considerations. For example, as shown in FIG. 9, a vehicle 50 may be an emergency vehicle, such as a police car, an ambulance, or the like. The transponder in this vehicle 50 broadcasts a code identifying the emergency character of the vehicle, providing authority for its presence and travel in the highest priority lane. Assuming the highway is a toll road, the emergency vehicle may be excused from paying any toll or may pay a standard or reduced toll for traveling in the highest priority lane, lane 45.

Vehicle 51 may be a commercial delivery vehicle, such as an overnight courier that seeks high speed travel to meet its commercial needs. The operator of this vehicle is authorized to use the fastest lane 45 because

he pays a premium toll in order to use the highest priority lane 45. Therefore, the transponder in this vehicle 51 emits a code identifying the operator of the vehicle and a surcharge on the usual toll is exacted for use of the highest priority lane. Of course, if the vehicle 51 chooses to travel in a lower priority lane, such as lane 46, then a smaller surcharge on the toll may be made and no surcharge at all may be made upon travel in the lowest priority lane, lane 47. Vehicle 51 might also be a multiple passenger public vehicle, such as a bus. An incentive to use multiple passenger public transportation might be given by making a reduced or no surcharge to the bus operator for using higher priority lanes just as no surcharge might be made for emergency vehicles in the highest priority lanes. This savings may reduce fares, encouraging buses and like vehicles to reduce traffic congestion.

#### Flexible Toll Assessment

The tolls and surcharges, if any, for using the highway and its hierarchy of lanes may be made automatically through the system illustrated in FIGS. 1 and 9. The vehicle 51 is identified at each lane terminal, the lane position is determined by the vehicle sensor and the transceiver at the corresponding lane terminal, and information concerning the vehicle distance traveled and lane position is sent via the lane terminal network backbone 6, the transverse link 20, and the principal network backbone 21 to the traffic data base 26 or to a toll server 52 dedicated to charging tolls (shown schematically in FIG. 9). The availability of data concerning the location, travel distance, and travel time of particular vehicles provides many choices for toll collection, incentives, regulation, and management. For example, tolls might be adjusted depending on the day and time of travel of a vehicle to make time use of the highway more uniform and to reduce congestion. Surcharges may be made for priority travel or discounts might be offered for long distance travel. In addition, where expected service, such as a minimum speed of travel, is not achieved, a toll might be subject to a discount. The system allows tracking of the position of vehicles so that any discount, for an unexpectedly low average travel speed may not be obtained simply by stopping during travel, for example, at rest areas. These toll adjustments can be structured to provide an incentive for equipping vehicles with an identifying transceiver.

Vehicles without transceivers identifying the vehicle cannot be monitored reliably for toll variation purposes and have to pay a flat toll without any discount for delays, low priority lane travel, and the like and could be subject to surcharges for unauthorized use of priority lanes. Of course, a vehicle, such as vehicle 53, that is not equipped with a transponder cannot be specifically identified electronically, but unauthorized use of the highway can still be detected. The existence of such a vehicle can be determined from detection by the vehicle sensors 8 in the lane terminals 2. The absence of an identifying signal from a mobile transceiver, taken in combination with detection of the presence of the vehicle, identifies a potentially unauthorized vehicle and its location. This information is supplied from the lane terminal 21 through the transverse lines 20 to the principal network backbone 21 (shown in FIG. 1) to the server 52. Especially when such an unknown vehicle is detected in a high priority lane, the server 52 triggers a video camera 54 to photograph the unauthorized vehicle 53 so that appropriate regulatory action can be taken.

The system has generally been described with lane terminals at the edge of a highway and between adjacent pairs of lanes. However, lane terminals can be placed at the centers of the lanes, as illustrated in FIGS. 6(a) and 6(b). The center lane placement reduces the number of lane terminals, reducing cost, but may result in some loss in precision in determining vehicle locations. For example, lane changes may be less rapidly and accurately detected. Thus, in the simplest possible system according to the invention, a single line of lane terminals may extend along the

center of a single lane highway (for travel in one direction), providing all of the advantages described except lane change information, prioritization of travel, and flexible toll charges.

In the examples described, lane terminals are shown arranged end-to-end, continuously. However, gaps between lane terminals in the same lane or lane margin may be provided. For example, at least every other lane terminal shown may be omitted, as indicated in FIG. 6. The significant cost savings results in loss of precision of positioning information and an increase in the size and reduction in the number of communication cells. The reduction in the number of lane terminals is limited by avoiding an increase in cell size that would unduly increase the bandwidth needed for cellular communications, considering traffic density, so that no caller is denied access for lack of an available channel in the bandwidth provided.

The invention has been described with respect to particular embodiments. However, additions and modifications within the spirit of the invention are encompassed within the invention as defined by the following claims.

What is claimed is:

Exemplary or Independent Claim(s):

1. A traffic monitoring system for a highway including first and second adjacent lanes for travel in the same direction, the traffic monitoring system comprising:  
a plurality of lane terminals arranged along directions of travel of the highway and including a first line of the lane terminals located along an outside edge of the first lane, a second line of the lane terminals located between the first and second lanes, and a third line of lane terminals located along an outside edge of the second lane, each lane terminal including a sensor for detecting passage of a vehicle;  
a communication antenna;  
a terminal transceiver for communicating with a passing vehicle through the communication antenna; and  
a network backbone linking the lane terminals to a data processor for compiling information on passing vehicles sensed, each of the first, second, and third lines of the lane terminals including respective network backbones connected to the respective first, second, and third lines of the lane terminals.

Non-exemplary or Dependent Claim(s):

2. The traffic monitoring system according to claim 1 wherein the communication antenna is a linear antenna extending along a length of the lane terminal.
3. The traffic monitoring system according to claim 1 including at least one transverse link interconnecting the first, second, and third network backbones.
4. The traffic monitoring system according to claim 3 including a principal network backbone connected to the transverse link and providing an interconnection between the first; second, and third lines network backbones and the data processor.
5. The traffic monitoring system according to claim 4 including a traffic data base connected to the data processor through the principal network backbone for storing traffic information including passing vehicles detected by the sensor for processing by the data processor.
6. The traffic monitoring system according to claim 4, including a video camera controlled by the data processor through the principal network backbone for forming an image of traffic on the highway.
7. The traffic monitoring system according to claim 4 including a toll server connected to the principal network backbone and receiving

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information from the lane terminals for determining a toll of a vehicle traveling on the highway based upon the lane traveled by the vehicle.

8. The traffic monitoring system according to claim 1 wherein groups of lane terminals define communication cells for communication with vehicles traveling on the highway and including a cell management data base connected to the data processor for identifying positions of specific vehicles on the highway with respect to the communication cells.
9. The traffic monitoring system according to claim 1 comprising a plurality of mobile transceivers mounted on respective vehicles for sending signals to the lane terminals identifying the respective vehicle on which a transceiver is mounted.
10. The traffic monitoring system according to claim 9 wherein traffic information from the data processor is transmitted to the lane terminals through the principal network backbone and the transverse link and transmitted to the mobile transceivers by the lane terminals.
11. The traffic monitoring system according to claim 10 wherein the traffic information includes information on the vehicles nearest a vehicle receiving the traffic information from the data processor.
12. The traffic monitoring system according to claim 11 including a plurality of mobile graphical displays mounted on respective vehicles for displaying locations of vehicles nearest the respective vehicle on which containing a graphical display is mounted.

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 File 634:San Jose Mercury Jun 1985-2003/Aug 19  
 (c) 2003 San Jose Mercury News  
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Aug 19  
 (c) 2003 The Gale Group  
 File 810:Business Wire 1986-1999/Feb 28  
 (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc

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Set	Items	Description
S1	1010	TOLL()(ZONE? ? OR LANE? ?)
S2	1378801	ZONE? ? OR LANE? ?
S3	4486925	EXIT? OR LEAVE? OR LEAVING? OR SWERV? OR "MOVE()FROM" OR R-EMOVE?
S4	88463	REENTER? OR RE()(ENTER? OR ENTRY? OR ENTRANCE) OR REENTRANCE?
S5	13236319	ENTER? OR ENTRANCE? OR RETURN?
S6	25641	(CHARGE? OR CHARGING? OR PAY?)(5N)(TOLL OR TOLLS)
S7	2	(S1 OR S2)(3S)(S3 OR S5)(3S)S4(3S)S6
S8	576	(S1 OR S2)(3S)(S3 OR S5)(3S)S6
S9	576	S7 OR S8
S10	0	S9 AND IC=G06F
S11	0	S10 AND IC=G07C
S12	459	(S1 OR S2)(2S)(S3 OR S5)(2S)S6
S13	140	(S1 OR S2)(S)(S3 OR S5)(S)S6
S14	58	(S1 OR S2)(6N)(S3 OR S5)(S)S6
S15	49	RD (unique items)

? tl5/3,k/all

15/3,K/1 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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**Safety considerations in designing electronic toll plazas: Case study**

Anonymous

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120-Aug-0311:20 AM

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2001

ISSN: 0162-8178 JRNL CODE: TE

WORD COUNT: 3118

...TEXT: the dedicated E-- PASS lane was the lack of knowledge patrons had about this new **lane** type. Nonequipped vehicles would **enter** the dedicated **lane** and then realize that the lane does not accept conventional payment methods. Patrons stop in the lane while trying to figure out how to **pay** the required **toll** thus creating the potential for a severe rear-end collision from an E-- PASS user...

**15/3,K/2 (Item 2 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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01659434 03-10424

**For whom the road tolls**

Weller, David

Harvard International Review v20n3 PP: 10-11 Summer 1998

ISSN: 0739-1854 JRNL CODE: HIR

WORD COUNT: 1426

...ABSTRACT: undertook its ambitious road pricing endeavor nearly a decade ago. Its approach refines a traditional **pay**-as-you-go **toll** with the aid of better technology and combines it with a clever form of a pollution license. To **enter** into the city's restricted center **zone**, drivers must have a special license posted on the windshield of the car.

...TEXT: undertook an ambitious road pricing endeavor nearly a decade ago. Its approach refines a traditional **pay**-as-you-go **toll** (the familiar toll booths) with the aid of better technology and combines it with a clever form of a "pollution license." To **enter** into the city's restricted center **zone**, drivers must have a special license posted on the windshield of the car. Each use...

**15/3,K/3 (Item 3 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

00682294 93-31515

**Traffic-free roads**

Ratan, Suneel

Fortune v127n7 PP: US 83; Asian 41 Apr 5, 1993

ISSN: 0015-8259 JRNL CODE: FOR

WORD COUNT: 376

...TEXT: appealing feature is its ability to operate without toll plazas, which often cause backups. To **enter** the fast **lane**, a car must have an automatic vehicle identification (AVI) tag clipped to its rearview mirror

... approaches the toll road. the card exchanges radio signals with the highway's computers, which **charge** the **toll** against the driver's prepaid account, typically \$80 a month. If a car has no...

**15/3,K/4 (Item 1 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

09576489      Supplier Number: 76783316 (USE FORMAT 7 FOR FULLTEXT)  
**MONTGOMERY COUNTY COUNCIL. (rejects the idea of express toll lanes) (Brief Article)**  
SUNNUCKS, MIKE  
Washington Business Journal, v20, n8, p8  
June 29, 2001  
Language: English      Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 180

... such as the Capital Beltway or Route 50. He instructed Transportation Secretary JOHN PORCARI to **remove** proposals from his departments plans.

**HOT lanes** allow commuters to **pay tolls** to get access to less-congested express or high-occupancy lanes. They are utilized in...

**15/3,K/5      (Item 2 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07414837      Supplier Number: 62437734 (USE FORMAT 7 FOR FULLTEXT)  
**North Texas Tollway Authority Officially Opens New Section of President George Bush Turnpike Between Campbell Road and SH 78.**  
PR Newswire, p6923  
May 19, 2000  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 475

... is \$21.9 million.

Tolls for using the PGBT are 50 cents at the main **lane** plazas and 25 cents at intermediate **entrance** and exit ramp plazas. Tolls for vehicles pulling trailers, or trucks with three axles or more, are higher. TollTag(R) transponders can be used to **pay tolls** automatically on the PGBT, the Dallas North Tollway and the Addison Airport Toll Tunnel. For...

**15/3,K/6      (Item 3 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

03115272      Supplier Number: 44247284 (USE FORMAT 7 FOR FULLTEXT)  
**THIS WEEK'S LEAD STORY #2: AT/COMM'S ETC GETS COMMERCIAL DEBUT ON ILLINOIS TOLLWAY**  
Inside IVHS, v3, n23, pN/A  
Nov 22, 1993  
Language: English      Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 735

... Mintz says. Motorists using this method can pre -pay any sum they want. In a **lane** , the motorist **leaves** the transponder on the dashboard and makes a \$20 **payment** to the **toll** collector. The collector enters the **payment** into the computer system, and the customer presses a button on the transponder until its...

Search Report from Ginger R. DeMille

15/3,K/7 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

03081509 Supplier Number: 44196272

**Tollway to install new system**

Dallas Morning News (TX), pF1

Oct 30, 1993

Language: English Record Type: Abstract

Document Type: Newspaper; Trade

**ABSTRACT:**

...collecting tolls. The installation of the system is aimed at curbing delinquent drivers from not **paying tolls**, and uses cameras that take pictures of license plates on vehicles **leaving toll lanes** without **paying**.

15/3,K/8 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

16015662 SUPPLIER NUMBER: 105376899 (USE FORMAT 7 OR 9 FOR FULL TEXT )

**Colorado Senator Seeks to Ease Way for Interstate Highway Tolls.**

Sanchez, Humberto

Bond Buyer, 345, 31676, 4

July 14, 2003

ISSN: 0732-0469 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 686 LINE COUNT: 00059

... governments concerning the placement of lanes and toll amounts. The legislation also stipulates that all **toll** revenues collected be used to **pay** for debt service and other costs related to the construction of the **lanes**, that the toll be **removed** once the project

15/3,K/9 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

16002249 SUPPLIER NUMBER: 104950786 (USE FORMAT 7 OR 9 FOR FULL TEXT )

**Joint Economic Panel Sees Toll Roads As Way to Relieve Traffic Congestion.**

Sanchez, Humberto

Bond Buyer, 345, 31673, 5

July 9, 2003

ISSN: 0732-0469 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 480 LINE COUNT: 00041

... concerning the placement of lanes and the toll amount. The legislation also stipulates that all **toll** revenues collected be used to **pay** for debt service and other costs related to the construction of the **lanes**, that the tolls be **removed** once the project is paid off, and that each project cost at least \$50 million...

15/3,K/10 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

15799482 SUPPLIER NUMBER: 101340325 (USE FORMAT 7 OR 9 FOR FULL TEXT  
)

**Highway Transportation: Facing Congestion, Congress Mulls Lifting  
Restrictions on Federal Tolls.**

Sanchez, Humberto

Bond Buyer, 344, 31630, 5

May 7, 2003

ISSN: 0732-0469 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 620 LINE COUNT: 00052

... and the toll amounts. The legislation, which has six co-sponsors, also stipulates that all **toll** revenues collected be used to **pay** for debt service and other costs related to the construction of the **lanes**, that the toll be **removed** once the project is paid off, and that each

**15/3,K/11 (Item 4 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

15736565 SUPPLIER NUMBER: 100545566 (USE FORMAT 7 OR 9 FOR FULL TEXT  
)

**Bill Introduced in House to Allow Toll Lanes on Interstates.**

Sanchez, Humberto

Bond Buyer, 344, 31621, 5

April 24, 2003

ISSN: 0732-0469 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 793 LINE COUNT: 00065

... concerning the placement of lanes and the toll amount. The legislation also stipulates that all **toll** revenues collected be used to **pay** for debt service and other costs related to the construction of the **lanes**, that the toll be **removed** once the project is paid off, and that each project cost at least \$50 million...

**15/3,K/12 (Item 5 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

09662141 SUPPLIER NUMBER: 19562454 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Congestion pricing. (traffic management)**

Finch, Ginny

Public Roads, v60, n2, p4(2)

Autumn, 1996

ISSN: 0033-3735 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1245 LINE COUNT: 00104

... switch to the new lanes or stay on the existing freeway. Every car and van **entering** the **lanes** must have a Velcro-backed FasTrak transponder mounted on its windshield. (Drivers **pay** \$40 of **tolls** in advance to get a transponder.) The 95-millimeter, plastic toll-tracker works like an...

**15/3,K/13 (Item 6 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

Search Report from Ginger R. DeMille

07531581 SUPPLIER NUMBER: 15786081 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**AT/COMM TO INSTALL ELECTRONIC TOLL COLLECTION SYSTEM IN AUSTRALIA**  
PR Newswire, p1007NE012  
Oct 7, 1994  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 332 LINE COUNT: 00027

... balance residing in the transponder memory. Accurate debit information such as the unique serial number, **lane** number, class, and toll paid and **exit** balance, are sent to the AT/Comm reader and base station which gives a "green..."

...system. Similar to the Illinois Tollway installation where the AT/Comm system is operating, cash **paying** customers can conveniently prepay **tolls** in the toll lane and their transponder will immediately be recharged with the new balance...

**15/3,K/14 (Item 7 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06485476 SUPPLIER NUMBER: 13999212 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Intelligent vehicle highway systems: going places fast.**  
Rose, Tom  
Microwave Journal, v36, n5, p172(3)  
May, 1993  
ISSN: 0192-6225 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 2430 LINE COUNT: 00197

... numerous locations across the US, is a rapidly growing application of this technology. The driver **pays** road **tolls** by inserting a magnetic or smart card into a small radio frequency transponder on the...

...above or in the pavement communicate with the transponder, noting the driver's entry and **exit** points of the **toll - zone** on the road, and the driver's credit or debit status, depending on the system...

**15/3,K/15 (Item 8 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

03892411 SUPPLIER NUMBER: 07268932 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Willow Grove commuter express lane in operation Friday on the Pennsylvania Turnpike. (Interchange # 27)**  
PR Newswire, 0517PH029  
May 17, 1989  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 182 LINE COUNT: 00015

... May 19, expediting commuter traffic exiting the toll road.  
Passenger cars may use the designated **exit lane**, **Lane 5**, where an additional toll booth has been installed in back of the existing booth  
...

...lane will be advised by a toll collector to advance to the back booth to **pay** their **toll**, while others **pay** their **toll** at the existing booth.

According to Deputy Executive Director-Fare Collection John A. Hook, the...

15/3,K/16 (Item 9 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

03804151 SUPPLIER NUMBER: 07248682  
**The welfare gains from pricing road congestion using automatic vehicle identification and on-vehicle meters.**  
Kraus, Marvin  
Journal of Urban Economics, v25, n3, p261(21)  
May, 1989  
ISSN: 0094-1190 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: The regimes include: a higher, optimized gas tax; an automatic vehicle identification (AVI) system which **charges** variable peak and off-peak **tolls** for **entering** various city **zones** ; and a time-based metering system with variable peak and off-peak rates. None of...

15/3,K/17 (Item 10 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

03500565 SUPPLIER NUMBER: 06321829 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Index of employers. (hospital profiles) (Nursing Opportunities supplement)**  
RN, v51, n1, pS6(377)  
Jan, 1988  
ISSN: 0033-7021 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 210302 LINE COUNT: 18943

15/3,K/18 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

29020472 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Drivers Must Pay GBP3 A Day To Dodge Jams On The M6**  
WESTERN DAILY PRESS  
May 07, 2003  
JOURNAL CODE: FWDP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 495

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... to pay a triple-whammy of toll charges to use the M5, M4 then to **enter** the Congestion Charge **Zone** in central London.  
Plans for road tolls in the centre of Bristol have also been...

15/3,K/19 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

28854381 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Florida's Turnpike to See More SunPass-Only Lanes in Two Years**  
Michael Turnbell  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS - SUN-SENTINEL - FORT LAUDE  
April 28, 2003  
JOURNAL CODE: KSSE LANGUAGE: English RECORD TYPE: FULLTEXT

Search Report from Ginger R. DeMille

WORD COUNT: 731

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... some have only one lane. That leaves SunPass customers waiting in line behind other drivers **paying** cash for **tolls** or waiting for change or receipts at the tollbooths.

Some Palm Beach County drivers have...

**15/3,K/20 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

27743973 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**To Ease Congestion in Houston Area, Solo Drivers Would Pay More**

Lucas Wall

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS - HOUSTON CHRONICLE - TEXAS

February 25, 2003

JOURNAL CODE: KHCN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 744

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... drivers pay a varying toll. During peak congestion, one pays up to \$4.75 to **enter** the HOT **lanes** ; when there's little traffic, 50 cents.

Electronic signs display the current price at HOT...

**15/3,K/21 (Item 4 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts..reserv.

27629845 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Penalty scheme could lead to new jobs at Swansea DVLA office**

WESTERN MAIL

February 18, 2003

JOURNAL CODE: WESM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 394

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... or refuse to pay the pounds 5 daily toll.

Car registrations in the pay-to- **enter** **zone** are automatically collected by CCTV cameras.

The accuracy of the databases will come under scrutiny...

**15/3,K/22 (Item 5 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

27048085 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Va. Willing to Study Toll Lanes' Potential**

Katherine Shaver

NEWSBYTES

January 16, 2003

JOURNAL CODE: FNEW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 796



Search Report from Ginger R. DeMille

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... change every five minutes or so, rising as the lanes become more crowded. Motorists are **charged** the **toll** in effect when they **entered** the **HOT lane**.

If the carpool **lane** starts getting too crowded, highway officials raise the toll, hoping to improve traffic flow. The...

**15/3,K/23 (Item 6 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

25214426 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Slow down, please, we'd like to live**

**Traffic accidents are rising - and so are the number of dead bodies left in their wake**

Nick Wilgus

BANGKOK POST

September 30, 2002

JOURNAL CODE: FBKP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 826

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the right to drive at a moderate, careful rate of speed in the bloomin' slow **zone** ?

The fellow eventually **swerved** into the next **lane** and zipped on like a bat out of hell to tail-gate and harrass someone...

**15/3,K/24 (Item 7 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

23621685 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Traffic lights in London reset to help pedestrians**

Paul Marston Transport Correspondent

DAILY TELEGRAPH

June 29, 2002

JOURNAL CODE: FDTL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 484

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... lights at 33 junctions around the zone boundary will be altered to give vehicles not **entering** the **zone** 10-15 per cent more time to pass through.

**15/3,K/25 (Item 8 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

20952675 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The unseen cost of our road chaos**

Robert Buckland

WESTERN DAILY PRESS , WP Late City ed, p39

January 28, 2002

JOURNAL CODE: FWDP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 504

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... on workers who use company car parks - will be damaging.  
And a third say congestion **charging zones** - daily **tolls** to **enter** a city centre, as planned in Bristol - could lead to increases in delivery costs, higher...

**15/3,K/26 (Item 9 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

20801517 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**As Denver-Boulder, Colo., Turnpike Turns 50, Tolls Re-Enter Picture**  
Sheba R. Wheeler  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (DENVER POST - COLORADO)  
January 17, 2002  
JOURNAL CODE: KDPT LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 970

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... after the roadway opened in 1952. The toll was lifted in 1967, but it may **return** via high-occupancy-vehicle **lanes** used by cars with transponders that log the time of day traveled.  
Dave Peterson was...

**15/3,K/27 (Item 10 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

20429401 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Electronic System's Wrinkles Take Toll on Pennsylvania Motorists**  
Joe Grata  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (PITTSBURGH POST-GAZETTE - PENNSYLVANIA)  
December 20, 2001  
JOURNAL CODE: KPPG LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 520

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... E-ZPass."  
Some motorists have become confused and erroneously entered E-ZPass exit lanes to **pay tolls** with cash. Tickets are being issued in E-ZPass entry lanes. And not all interchanges...

**15/3,K/28 (Item 11 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

18518811 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Stop This Anti-Car Conspiracy: First More Speed Cameras, Now Ministers Approve Computer-Controlled Traffic Lights To Favour Buses**  
SIMON HEFFER  
DAILY MAIL, p10

Search Report from Ginger R. DeMille

August 27, 2001

JOURNAL CODE: FDM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1197

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... or 8.30pm, because many who drive up to see them will not wish to **enter** the **toll zone** before the **charge** stops at 7pm - as they would have to in order to be on time for...

**15/3,K/29 (Item 12 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

16623267

**Enough of the wonkery! Stop gridlock now**

ED DRASS

FINANCIAL POST, p04

May 11, 2001

JOURNAL CODE: FFP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 410

... pressure will mount for ways to move people better. That may mean converting some traffic **lanes** to bus-only **lanes** -- **leaving** less space for cars. Equally as unpopular would be 407-style tolling on the 401...

**15/3,K/30 (Item 13 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

16585975 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Cost of E-Pass tag should be refundable**

SECTION TITLE: Motoring

Aida Sevilla-Mendoza

PHILIPPINE DAILY INQUIRER, p13

May 10, 2001

JOURNAL CODE: WDPI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 608

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... it's because Citra compounded its pricing error by suddenly taking exit lanes from us **toll** - **paying** motorists and converting them into dedicated E-Pass lanes for the exclusive use of E...

... also worsened the traffic jams on the South Luzon Expressway. While stewing in their cars, **toll** - **paying** motorists had ample time to stiffen their resolve not to bow to what they perceived...

**15/3,K/31 (Item 14 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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16297651 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**No to another Citra hijack**

SECTION TITLE: Motoring

Aida Sevilla-Mendoza

Search Report from Ginger R. DeMille

PHILIPPINE DAILY INQUIRER, p5

March 01, 2001

JOURNAL CODE: WDPI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 744

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Pass lane down the throats of toll-paying motorists.  
Citra closed off exit lanes to **toll - paying** motorists and converted them to dedicated E-Pass lanes for the exclusive use of E...

... is aggravating traffic jams on the SLEX as long lines of vehicles squeeze into the **exit lane** left open to them while the dedicated E-Pass lane remains practically empty.

Citra can...

**15/3,K/32 (Item 15 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

16226968 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**How to survive the SLEX**

SECTION TITLE: Motoring

Aida Sevilla-Mendoza

PHILIPPINE DAILY INQUIRER, p12

April 19, 2001

JOURNAL CODE: WDPI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 811

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the approach to the C-5 exit ramp, which consists of one overcrowded lane for **toll - paying** motorists and one rarely used E-Pass **lane**. Past the C-5 **exit**, traffic speeds up anew but only briefly, as you close the distance to the Nichols...

**15/3,K/33 (Item 16 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

15370573 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Colorado Toll Plan Lives in Fast Lane**

Jeffrey Leib

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (DENVER POST - COLORADO)

February 25, 2001

JOURNAL CODE: KDPT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1396

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... occupancy vehicle, or HOV, lanes. Those lanes allow vehicles with at least two occupants to **enter** faster-flowing **lanes** reserved for buses, vans and other commuter vehicles.

Critics call HOT lanes "Lexus lanes," claiming...occupant vehicles on two 13.5mile HOT-lane projects in the metro area. SOVs cannot **enter** the express **lanes**, and vehicles with two or more passengers ride free.

In San Diego, a HOT-lane...

**15/3,K/34 (Item 17 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

15364725

**Glitches delay introduction of toll system**

YOMIURI SHIMBUN/DAILY YOMIURI

February 28, 2001

JOURNAL CODE: FYOM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 317

... Tollbooth in Minato Ward, Osaka. The error occurred when a car without a radio transmitter **entered** the ETC **lane** and the system mistook the car as having a monitor installed, sources said.

Copyright 2001...

**15/3,K/35 (Item 18 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

15157677 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The savage highway**

SECTION TITLE: Motoring

Aida Sevilla-Mendoza

PHILIPPINE DAILY INQUIRER, p8

February 15, 2001

JOURNAL CODE: WDPI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 820

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... consumption and air pollution along the South Luzon Expressway by depriving toll-paying motorists of **exit lanes** in favor of E-Pass subscribers. One reader proposed using People Power to overcome Citra...

**15/3,K/36 (Item 19 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
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14904377 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Why the Skyway is not always faster**

SECTION TITLE: Motoring

Aida Sevilla-Mendoza

PHILIPPINE DAILY INQUIRER, p8

February 01, 2001

JOURNAL CODE: WDPI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 708

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... their arbitrary dedicated lane scheme is succeeding. But it is only succeeding in alienating the **toll - paying** motorists and stiffening sales resistance to the E-Pass while at the same time increasing...

**15/3,K/37 (Item 20 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

13090947 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**New Jersey Turnpike Changes to Electronic Toll-Collection System**

Pat R. Gilbert

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (RECORD - HACKENSACK, N.J.)

September 29, 2000

JOURNAL CODE: KREC LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1737

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... if you enter a toll lane not equipped with E-ZPass, you will have to **pay** the full cash **toll**. If you can't get to the proper lane due to heavy traffic or an...

**15/3,K/38 (Item 21 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

13074099 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**New Jersey Turnpike to Debut E-ZPass Electronic Toll System**

Joe Malinconico

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (STAR-LEDGER - NEWARK, NEW JERSEY)

September 29, 2000

JOURNAL CODE: KSLN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 979

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... then try to leave through an electronic lane face penalties. At first, they will be **charged** the highest possible **toll** for that exit, but after the grace period ends, they will be assessed a \$25...

**15/3,K/39 (Item 22 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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09348534

**Tokyo government unveils proposal to charge traffic tolls/**

YOMIURI SHIMBUN/DAILY YOMIURI

January 31, 2000

JOURNAL CODE: FYOM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 520

... is considering adopting it. The system can be implemented in various ways, including setting up **zones** and charging cars **entering** these **zones** or requiring drivers to purchase a sticker to allow them to enter urban areas. The...

**15/3,K/40 (Item 23 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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06871223 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Atlanta Officials to Test Controversial Highway Plan**

Search Report from Ginger R. DeMille

Stacy Shelton

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS ( ATLANTA JOURNAL AND  
CONSTITUTION - GEORGIA)

August 23, 1999

JOURNAL CODE: KAJC LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 601

Picture a four-lane highway with few exits, large green buffers on  
either side and toll booths where drivers pay according to the distance  
they travel.

Now picture a highway --- it shouldn't be hard...

15/3,K/41 (Item 24 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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03861246 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**PLUS SHOULD GIVE DISCOUNTS FOR**

BERNAMA THE MALAYSIAN NATIONAL NEWS AGENCY

December 24, 1998

JOURNAL CODE: FBNM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 277

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... toll are affected but also those entering the North-South Highway  
at the Sungai Buloh exit, he said.

"The lanes for Touch N Go and Plustag (another pre-paid card system)  
are empty most of...

15/3,K/42 (Item 25 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

03062313

**Tollway Prepares to Close Deerfield Plaza; Announces Temporary Lane  
Closures**

PR NEWSWIRE

October 09, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 653

... in Automobile Toll Rates New toll rates take effect Nov. 1, 1998  
(Applies to cash payments or I-PASS electronic toll collection) OLD  
TOLL LOCATION NEW TOLL .40 Waukegan Plaza (Southbound exit & Northbound  
Entrance Ramps) .75...

15/3,K/43 (Item 1 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2003 Financial Times Ltd. All rts. reserv.

0010025022 BOJC3ANACJFT

**SURVEY - SINGAPORE: Master plan for e-commerce: INFORMATION TECHNOLOGY by**

**Alan Cane: Measures aim to encourage the world's leading companies to  
regard Singapore as an attractive place to do business**

ALAN CANE

Financial Times, Surveys ED, P 5

Search Report from Ginger R. DeMille

Tuesday, March 30, 1999

DOCUMENT TYPE: Surveys - country; NEWSPAPER LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

Word Count: 968

...capable of accepting a smart card. The card must be charged with electronic cash. On **entering** a priced **zone**, radio signals between scanners on the gantries and the in-car device automatically result in...

...deducted from the card. Cameras on the gantries detect any road user attempting to avoid **paying** the **toll**.

The road pricing system is a key part of the Land Transport Authority's "integrated..."

**15/3,K/44 (Item 1 from file: 634)**

DIALOG(R)File 634:San Jose Mercury

(c) 2003 San Jose Mercury News. All rts. reserv.

10320008

**SOLUTIONS POSED AT P.A. MEETING ROAD REPAIR DEFICIT GROWING**

San Jose Mercury News (SJ) - Tuesday, November 16, 1999

By: ALAN GATHRIGHT, Mercury News Staff Writer

Edition: Peninsula Section: Local Page: 1B

Word Count: 633

... two passengers. Cars would be equipped with an electronic "transponder" that would allow them to **enter** the **lane** without stopping to **pay** a **toll**

**15/3,K/45 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02910061 Supplier Number: 45915400 (USE FORMAT 7 FOR FULLTEXT)

**AUTO PARTS**

Inside Its, v5, n22, pN/A

Nov 6, 1995

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 984

... congestion pricing in North America, and it will rely entirely on electronic means to collect **tolls**. The **payment** scheme includes five pricing levels, which go into effect depending on the time of day...

...would cost \$2.50. Drivers traveling on the SR 91 freeway who are nearing the **entrance** to the Express **Lanes** will be advised, via variable message signs, of the tolls currently in effect. Those with...

**15/3,K/46 (Item 2 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02016573 Supplier Number: 43643930 (USE FORMAT 7 FOR FULLTEXT)

**UK Government to Publish Plans on Motorway Toll Scheme**

PRS Automotive Service, pN/A



Search Report from Ginger R. DeMille

Feb 10, 1993

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 209

... and on-board electronic toll meters, would deduct credit from the vehicle meter as it **enters** the **toll zone**. More would be **charged** in peak times and when the roads are congested. The system is due to go...

**15/3,K/47 (Item 3 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02003630 Supplier Number: 43607812 (USE FORMAT 7 FOR FULLTEXT)

**1st Electronic Toll Road Slated For L.A. 01/27/93**

Newsbytes, pN/A

Jan 27, 1993

Language: English Record Type: Fulltext

Document Type: Newswire; General Trade

Word Count: 582

... existing lanes which will remain without charge. In order to keep traffic moving in the **toll** lanes, the **charge** will be adjusted upward to be sure commuters paying to use the lanes don't face the traffic snarls associated with SR-91. Carpoolers will **enter** via a special entry **lane** where the occupants of the car will be verified to be sure there aren't...

**15/3,K/48 (Item 1 from file: 810)**

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0368616 BW708

**CUBIC TEXAS TURNPIKE: Texas Turnpike Authority awards Cubic \$10.7 million contract**

November 10, 1993

Byline: Business Editors & Transportation Writers

...part of the closed-circuit television system, cameras will capture the license plates of vehicles **leaving** the **toll lanes** without **paying** a **toll**.

Work on the contract will be performed by the firm's Cubic Toll Systems Division...

**15/3,K/49 (Item 1 from file: 813)**

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

1242488

a3138

**Newcourt Capital Arranges US\$300 Million To Finance New Jersey Regional Electronic Toll System**

DATE: March 13, 1998

11:12 EST

WORD COUNT: 759

Search Report from Ginger R. DeMille

...and a foreign bank.

The financing will be serviced and repaid through fining motorists who **exit toll lanes** without **paying** and through sales of excess capacity on the fiber-optic network. MFS Network Technologies will...  
?

Search Report from Ginger R. DeMille

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File 475:Wall Street Journal Abs 1973-2003/Aug 19  
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

? ds

Set	Items	Description
S1	61	TOLL() (ZONE? ? OR LANE? ?)
S2	186669	ZONE? ? OR LANE? ?
S3	248164	EXIT? OR LEAVE? OR LEAVING? OR SWERV? OR "MOVE()FROM" OR R- EMOVE?
S4	5264	REENTER? OR RE() (ENTER? OR ENTRY? OR ENTRANCE) OR REENTRAN- CE?
S5	500904	ENTER? OR ENTRANCE? OR RETURN?
S6	953	(CHARGE? OR CHARGING? OR PAY?) (5N) (TOLL OR TOLLS)
S7	0	(S1 OR S2) AND (S3 OR S5) AND S4 AND S6
S8	11	(S1 OR S2) AND (S3 OR S5) AND S6
S9	11	RD (unique items)

? t9/7/all

9/7/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

00289760 INSPEC Abstract Number: C71016124

**Title: Counting device including an escapement with no automatic return bias**

Inventor(s): Neild, D.W.

Assignee(s): GEC Ltd

Patent Number: US 3580496 Issue Date: 710525

Application Date: 671018

Priority Appl. Number: GB 47177/66 Priority Appl. Date: 661021

Country of Publication: USA

Language: English Document Type: Patent (PT)

Treatment: Practical (P)

**Abstract:** Describes a counting device for use in a road toll charging or similar system having a counter driven by a long life clockwork type mechanism whose escapement is controlled by input means response to signals radiated by roadside sources. The mechanism is sealed in a tamper-proof casing provided with means for indicating that it is operative. The toll system may produce an incomplete half unit registration when a vehicle carrying the counting device **enters** a road **zone** which unit is completed by a further half unit registration as the vehicle **leaves** the **zone**.

Subfile: C

Search Report from Ginger R. DeMille

9/7/2 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2003 The HW Wilson Co. All rts. reserv.

2028485 H.W. WILSON RECORD NUMBER: BAST95000045

**Rising risks mark big British BOT bridge**

AUGMENTED TITLE: Second Severn Crossing

Reina, Peter;

ENR v. 233 (Nov. 14 1994) p. 28-30+

DOCUMENT TYPE: Feature Article ISSN: 0891-9526

ABSTRACT: With construction of the \$530 million Second Severn Crossing nearing the halfway point, accidents and weather are now the prime risks associated with the 5.1-kilometer bridge between England and Wales. In a well-rehearsed ballet, builder-operator Severn River Crossing's \$30 million fleet of 8 barges follows tides to transport and place prefabricated units that form the bridge, which features 6 **lanes** and 2 emergency **lanes**. SRC contractors John Laing Group, London, and GTM Entrepouse, Paris, aim to complete the bridge by December 1995 for a summer 1996 opening. The SRC must finance (primarily with debt), design, and build the bridge, then operate and maintain it for the concession period. The group is **charging tolls** on the existing crossing but must pay the outstanding construction debt of \$200 million for the new bridge. The SRC has 30 years to pay off all costs before **returning** the bridge to the British government.

9/7/3 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2003 The HW Wilson Co. All rts. reserv.

1264452 H.W. WILSON RECORD NUMBER: BAST95060225

**Despite bumps in the road, privatization races on**

Peratta, Ed;

American City & County v. 110 (Oct. '95) p. 50+

DOCUMENT TYPE: Feature Article ISSN: 0149-337X

ABSTRACT: Privatization of the U.S.'s highways is becoming more common as states have less money to spend on infrastructure. Despite public opposition to tolls, many states have passed laws permitting privatization and have projects under way. The deputy secretary of transportation for Virginia, Shirley Ybarra, claims that privatization does not supplant the state's transportation role but allows the private sector to help in this role and allows the state to spend money on other projects. The 14-mile, 4-lane Dulles Greenway in Virginia, the first privately financed toll road in the state since 1814, is seen by proponents of public-private **enterprise** partnership as a giant leap forward for the strategy of privatization. Furthermore, the soon-to-be-opened State Route 91 in California is the first **toll** road to **charge tolls** in relation to congestion and in relation to the number of occupants in the car. Other projects and relevant legislation are discussed.

9/7/4 (Item 1 from file: 474)

DIALOG(R)File 474:New York Times Abs  
(c) 2003 The New York Times. All rts. reserv.

00521429 NYT Sequence Number: 088459740108

**New 5-mi stretch of 12-lane 'dual-dual' hwy on Jan 7 becomes fully operational on NJ Tpk between Exits 10 (Edison) and 9 (East Brunswick).**

Search Report from Ginger R. DeMille

Completion of \$50-million widening project comes at time when tpk auth has just announced biggest drop in monthly traffic totals in memory. Auth blames gasoline shortage for 10.9% drop in number of vehicles using hwy in Dec, compared with Dec '72, and 11.3% decline in toll collections. Traffic count was 7,898,000 toll - paying vehicles in Dec, compared with 8,867,000 in '72. Toll collections declined from \$6.2-million to \$5.5-million (M) .)

BURKS, EDWARD C

New York Times, Col. 6, Pg. 72

Tuesday January 8 1974

9/7/5 (Item 1 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)

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09098229

Expressway smart cards put in the slow lane

THAILAND: SMART CARD SYSTEM FOR HIGHWAY HALTED

Bangkok Post (XBN) 30 Apr 1999 p.3

Language: ENGLISH

The contactless smart card system's introduction on Thailand's Bang Na-Chon Buri expressway has been suspended as the toll structure was not approved by the deputy interior minister. The new toll structure, with its rise in toll, will hinder motorists from using the outer section. At least B 20 will be charged on four-wheeler that uses the smart card structure for 20 km and B 1 per km for longer distance than that. Under the old structure, outer section will be charged B 1 per km and traveling in inner section means drivers will pay at fixed amount of B 20 for the first 20 km. The contactless smart card system involves drivers collecting cards upon entrance into the expressway. Tolls will be charged when drivers return the cards at exits where readings will then be taken.

9/7/6 (Item 2 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)

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06677755

Cabbies who take passengers to KLIA allowed extra RM 10

MALAYSIA: OUT OF ZONE OPERATION FOR SUKOM

New Straits Times (XAS) 27 Aug 1998 p.7

Language: ENGLISH

In light of the Commonwealth Games (Sukom) to be held in Malaysia, taxis are allowed for out of zone operation commencing 1 - 30 September 1998. This was to ensure tourist and visitors are adequately served. Beginning 1 September 1998, taxi drivers are allowed to charge passengers an extra surcharge of RM 1.50 above the meter to Jalan Duta bus stops. This is to cover the cost of returning without any passengers, said Datuk Mustapa Mohamed, Entrepreneur Development Minister. For the same reason as above and to cover toll charges, for a drive to Kuala Lumpur International Airport (KLIA), taxis drivers are entitled to a surcharge of RM 10.00.

9/7/7 (Item 3 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)

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06566928

Dragados, Acciona y Ferrovial compiten por construir el mayor puente\

ARGENTINA/URUGUAY: MAJOR BRIDGE PROJECT

Expansion (EXN) 06 Jan 1998 p.3

Language: SPANISH

The 45-kilometre bridge to be built over the river Rio de la Plata between Argentina and Uruguay will require an investment of US\$ 1,500mn and is considered to be the largest bridge project in the world. It will be 20 meters wide and have 2 **lanes** running in either direction. The project is scheduled to be completed in 2003. Some 5,500 vehicles, each **paying** US\$ 75 in **tolls**, are expected to use the bridge daily. The operation rights for the bridge will be for 35 years. The seven pre-qualified consortia are: 1. Comercial del Plata, Skanska, Acciona, Ferrovial and Perez Companc. 2. Mitsubishi Corporation and Mitsubishi Heavy Industries. 3. GTM- **Enterprise**, Dumez GTM, COT, Impregilo, Benito Roggio, Jose Castellone and Sideco Americana. 4. Campeon Bernard, Kvaerner, SGE, Andrade Guterrez, Carmago Correa, Ornas and Rafael Demarco. 5. Dragados, Techint, Bechtel, Dyckehoff & Widmann and Hochtief. 6. Dillinger Stahibau and Ferrostal. 7. Gualtiere, Korea Heavy Industries & Construction and Parsons. The winning consortium is to be decided sometime in 1998.

9/7/8 (Item 4 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06510932

PNCC starts computerized card collection scheme

PHILIPPINES: NEW CARD COLLECTION SCHEME OF PNCC

Computerworld Philippines (AKA) 15 Aug 1997 P.5

Language: ENGLISH

A new magnetic card collection scheme developed by local systems integrator Micrologic Systems, a local systems integrator, has been adopted by the Philippine National Construction Corporation (PNCC). The PNCC will install the new toll collection scheme at the South Expressway in September 1997. The new toll collection system utilises magnetic cards which will be issued to motorists at entry points and are submitted to toll tellers at **exit** points. The cards have pre-recorded data like the car's serial number, vehicle class and entry point. The cards are swiped to card reading terminals at the **exit** point which calculate and display the toll amount outstanding with the data stored in a disk integrated in the terminal. The motorists have to **pay** the required **toll** at the **exit** points. The PNCC has also implemented loop detectors at each of the **exit lanes** where the terminals are located. The detectors count the vehicle numbers that pass by, which permits the PNCC to counter check the transactions **entered** in the terminals with the vehicle numbers passing through a **lane**.

9/7/9 (Item 5 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06378222

India paves way for private road builders

INDIA: PRIVATE SECTOR TO TAKE ON ROAD BUILDING

Asia Times (AAX) 11 Oct 1996 P.12

Language: ENGLISH

Search Report from Ginger R. DeMille

India's surface transport minister unveils India's latest plan to improve its road conditions. The nation will be experimenting with the concept of 'shadow-tolling' - whereby the private sector will rebuild or upgrade existing roads, and the Indian government will foot the bill - in the form of **paying** the **toll**. This plan is extended to all projects that involves upgrading of existing two- **lane** roads on the highway or expanding single- **lane** stretches into double **lanes**. At present, more than 50% of the nation's 34,298 km highways and 5,000 km of single **lane** stretches are in need of expansion. Since the Indian government has no financial means to improve the existing road network, the adoption of this plan will greatly relieve her tremendous burden. The private sector entrusted with the task, will be reimbursed the construction cost with reasonable **returns** through annual payment from the budget.

9/7/10 (Item 6 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06012018

Cabbies anxious about effects of ERP on earnings and fares

SINGAPORE: CABBIES WORRIES ABOUT ERP

The Straits Times (XBB) 04 Jul 1994 P. 21

Language: ENGLISH

Taxi drivers are anxious that the new electronic road pricing (ERP) system which will be implemented in late 1997 in the central business district and expressways in Singapore will affect their earnings. After trying out the ERP system, many cabbies have voiced their concern since they are expected to **pay** the **toll** charges when they **enter** the ERP **zones** even when there is no passengers. This will increase their cost. They are afraid that their business will be affected if passengers are asked to **pay** the **toll charges** since taxi rides will become more expensive. They have asked questions such as who will **pay** the **toll charges** if the passengers in the ERP **zones** calls for a taxi and who will pick up the **toll charges** if the taxi drivers have to pass the East Coast Parkway to get to Changi Airport to wait for passengers. An ERP officer says that the Registry of Vehicles will decide on such matters when the system gets closer to the implementation date.

9/7/11 (Item 7 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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04196267

MAJOR MOTORWAY AND RAIL PROJECT PLANNED

NORWAY/SWEDEN - MAJOR MOTORWAY AND RAIL PROJECT PLANNED

Dagens Naeringsliv (DN) 4 April 1991 p2

Language: Norwegian

Sweden/Norway: A. NKr17 bil motorway and rail project is planned between Oslo and Gothenburg after the Oresund bridge is completed. A four- **lane** motorway and two-track railway track are planned by a working group made up of 24 local councils in the region and three county councils. Most of the construction will be privately financed. The motorway will have a **toll paying** system and rail ticket prices will have an extra NKr100 added on to them. The project has equity capital of NKr1.6 bil, which **leaves** the Norwegian and Swedish govts with NKr500 mil to pay/y for ten years. Norwegian authorities have already granted NKr1.7 bil to improvement of the

Search Report from Ginger R. DeMille

E6 road from Oslo southwards and NKr1 bil for expansion of the railway to two tracks from Ski to Moss. In order to build a four- **lane** motorway along the stretch, some NKr2.2 bil is required from Norway and NKr4.7 bil. from Sweden.

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File 340:CLAIMS(R)/US Patent 1950-03/Aug 14  
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Set	Items	Description
S1	89	(CHARGE? OR CHARGING OR PAYING OR PAY OR PAYS OR PAID OR D- EDUCT? OR DEBIT?) (3W) (TWICE OR SECOND OR TWO OR AGAIN) (S) TOLL? ?(S) (ZONE? OR LANE? OR SWERV? OR RANGE)
S2	77	RD (unique items)

? t2/3,k/all

**2/3,K/1 (Item 1 from file: 13)**

DIALOG(R) File 13:BAMP

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1268203 Supplier Number: 03500484 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Valuing flexibility in private toll road development: analysis of the  
Dulles Greenway.**

(uncertainty and choice of timing can alter an irreversible capital  
investment decision)

Article Author(s): Wooldridge, Stephen C; Garvin, Michael J; Cheah, Yuen  
Jen; Miller, John B

Journal of Structured and Project Finance, v 7, n 4, p 25(12)

January 2002

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 6950

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...a certificate of authority in 1990.

Project scope and financing. Under TRIP II, the Dulles Toll Road extension became the Dulles Greenway Three years of planning, design, and arranging financing resulted in the state's approval of a four-lane, limited-access highway with seven inter-charges. Two future interchanges would be added when traffic volume reached appropriate levels. Located within 250 feet of right of way, the project was designed to accommodate future lane expansion. Electronic toll collection technology was included in the design to maintain steady traffic flow. The project originally...

**2/3,K/2 (Item 1 from file: 15)**

DIALOG(R) File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

02343083 113734282

**Lee County's variable pricing project**

Burris, Mark W; Swenson, Chris R; Crawford, George L

Institute of Transportation Engineers. ITE Journal v72n4 PP: 36-40 Apr  
2002

ISSN: 0162-8178 JRNL CODE: TE

WORD COUNT: 3747

...TEXT: a study of priced queue jumps. These queue jumps could take the form of preferred **toll lanes** at congested intersections or an overpass for **toll - paying** vehicles. The **second** is an expansion of the pricing program to heavy (three-plus axle) vehicles.

The experience...

**2/3,K/3 (Item 2 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01067677 97-17071

**Getting there from here**

Lombardi, Thomas J

Successful Meetings v44n8 PP: 138-139 Jul 1995

ISSN: 0148-4052 JRNL CODE: SMM

WORD COUNT: 791

...TEXT: 30 minutes? 3. What are the minimums and costs? Are there any surcharges, such as **tolls** or municipal taxes? A one-bus, six-hour, one-day event can cost you \$500...

... service from hotels to convention centers and back for 4,800 for four days can **range** from \$41,000 to \$58,000. It is not uncommon to have a four- to...

... if the event runs more than eight hours. After 12 hours, the client generally must **pay** for a **second** driver. Make sure the cost of a dispatcher, who will be on site to make...

**2/3,K/4 (Item 1 from file: 15)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

05076274 Supplier Number: 47452169 (USE FORMAT 7 FOR FULLTEXT)

**x2: U.S. Robotics Introduces Symmetrical x2 Over ISDN; Extends Small**

**Office, Desktop x2 Host Solution With New Courier I-modem Capabilities**

EDGE, on & about AT&T, pN/A

June 9, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 875

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Dynamic Bandwidth Allocation Additionally, The I-modem's Dynamic Bandwidth Allocation (DBA) feature saves on **toll** charges by waiting until data transfers reach pre-determined threshold levels before bringing up the second B-channel. Usage **charges** for the **second** B-channel are incurred only when Multilink PPP is initiated through DBA. With DBA, the...

...customers include Internet service providers, regional Bell operating companies, inter-exchange carriers and a wide **range** of other large and small businesses, institutions and individuals.

**2/3,K/5 (Item 2 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04371602 Supplier Number: 46411388 (USE FORMAT 7 FOR FULLTEXT)  
**IXC VIEW GETS DOJ SUPPORT, LECS SLAM NATIONAL INTERCONNECT POLICY**  
Washington Telecom News, v4, n21, pN/A  
May 27, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 574

... so long as all similarly situated carriers are treated alike," it contended. The "play or **pay** " approach imposes a **two** -tiered pricing structure, under which new entrants that are not full-service, facilities-based carriers pay a higher rate than net entrants that do provide a full **range** of residential and business switched services on their own facilities. NYNEX also argued that the...

...to provide access to network elements solely for the purpose of originating and terminating interexchange **toll** traffic."

U S WEST Communications, Inc. encouraged the FCC to develop pro-competitive rules that...

**2/3,K/6 (Item 3 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

03551828 Supplier Number: 44987308 (USE FORMAT 7 FOR FULLTEXT)  
**THIS WEEK'S LEAD STORY #1: ETC, CONGESTION PRICING HEADED FOR PUGET SOUND**  
Inside IVHS, v4, n18, pN/A  
Sept 12, 1994  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1354

... to see its advantages long before there's any talk of charging for travel on **lanes** that currently are untolled. The first step will be an "HOV buy- in" program on existing **lanes** that are reserved for high occupancy vehicles (HOVs) but are under-used. Low occupancy vehicles equipped with **toll** transponders will be able to use the HOV **lanes** for a fee. Car pools and buses will continue to use them free of **charge** .

In a **second** phase of the program, UIW will build new HOV **lanes** and operate them as "fare **lanes** " as well. About 200 miles of new HOV **lanes** have been planned for the Puget Sound area but haven't been built because funding...

**2/3,K/7 (Item 1 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

29768818  
**Managing long distance calling costs made easier with prepaid airtime now conveniently available at CIBC ABMs**  
CANADA NEWSWIRE  
June 20, 2003  
JOURNAL CODE: WCNW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 665

...financial institution with almost nine million personal banking and business customers. CIBC offers a full **range** of products and services through its comprehensive electronic banking network, branches and offices across Canada...

**2/3,K/8 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

29751996

**Summary of the AAP Finance Wire at 1345 AEST, Friday, June 20**

AAP NEWS

June 20, 2003

JOURNAL CODE: WAAP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1213

... director of the once listed accounting firm Harts Australasia Ltd, Maxwell John Sweetman, was today **charged** with **two** counts of insider trading in the Brisbane Magistrates Court. SYDNEY - Australian dwelling commencements in the...

**2/3,K/9 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

29558852

**NSW: NSW holiday road toll stands at three**

AAP NEWS

June 09, 2003

JOURNAL CODE: WAAP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 368

... Operation Stay Alert, NSW Police conducted 30,669 breath tests and laid 137 drink driving **charges**. Forty- **two** people were injured in road accidents and there were 2,323 speeding offences. Operation Stay...

**2/3,K/10 (Item 4 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

29537263 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Weekend: How charging motorists on the double takes its toll - The State's first toll motorway opens on Monday, but will taxpayers be the big losers in public-private partnership, asks Tim O'Brien**

IRISH TIMES

June 07, 2003

JOURNAL CODE: FIRT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1034

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... NRA. In the meantime, those who pay punitive road taxes will continue to queue to **pay** a **second** time, while the volume of traffic ensures a dividend for the Government and a profit...

2/3,K/11 (Item 5 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

28675940 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Q3 2003 Parker Hannifin Corp. Earnings Conference Call - Final - Part 1**  
FAIR DISCLOSURE WIRE  
April 01, 2003  
JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 4994

... this slide. And first of all, I would note that the third quarter '03 forecast **range** that's up there, that 39 to 49 was reduced by 4 cents of realignment...

...test faded in the quarter. So, you see that varies a little bit from the **range** we had out there, but that's all due to that 4 cents and when... basis points from the 17.1% a year ago. So, still very much in the **range**, in fact, above the **range** we thought they'd be in, but drifting down to that 12 to 13% level...type of things are over with and, of course, the SARS is really taking another **toll** on the commercial traffic. But, again, military, we see as sort of a secular story...earnings. And as we said in the press release, we don't really have a **range** out there for you for the quarter of the year right now, one would give...

2/3,K/12 (Item 6 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

28439229 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**The Orange County Register, Calif., Jonathan Lansner Column**  
Jonathan Lansner  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS - THE ORANGE COUNTY REGISTE  
April 04, 2003  
JOURNAL CODE: KTOC LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 540

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... driver expense. End the 91 Lanes' tolls as soon as possible. Don't make drivers **pay twice**.

--(714) 796-7966 or jlansner@ocregister.com

2/3,K/13 (Item 7 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

27663186  
**ENMAX launches bundled energy product across Alberta**  
CANADA NEWSWIRE  
February 20, 2003  
JOURNAL CODE: WCNW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 491

... also receive varying amounts of free energy, depending on the length of their contract." Prices **range** from 6.8 cents per kilowatt/hour (kWh) to 7.1 cents per kWh for...

Search Report from Ginger R. DeMille

... June 2003. Full details are available through ENMAX's customer care centre at 310-2010 ( **toll** -free in Alberta) and on the company's website at enmax.com. ENMAX Corporation, a...

**2/3,K/14 (Item 8 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

27500417 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Event Brief of Q3 2002 Rohm and Haas Earnings Conference Call - Final - Part 1**  
FAIR DISCLOSURE WIRE  
October 25, 2002  
JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 4172

...move production of biocide products from Texas plant to the venture and other owned and **toll** sites in Europe. There is no immediate writedown of base board assets as business is...expect 4Q to generate favorable YoverY comparisons. 8. Expect sales growth in mid single digit **range** . 9. Expect significant earnings improvements as a result of leverage from cost reduction efforts and...

**2/3,K/15 (Item 9 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

26862690  
**Holiday Inn gives winter boost to weekend family breaks**  
AME INFO - ME COMPANY NEWSWIRE  
January 04, 2003  
JOURNAL CODE: WMEC LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 481

...break-aways. All the accommodation is situated around a lagoon, and guests can enjoy a **range** of water sport, a pool-side restaurant, two children's playgrounds, a terrace for barbeques...

... to the Six Continents Hotels Middle East Central Reservations Office in Dubai, using the following **toll** -free numbers: Bahrain (800 880), Egypt (0800-4433322), Jordan (800-22666), Kuwait (473 2100 ext...

... the UAE (800 4642). From all other countries in the Middle East, the reservations non- **toll** free line is 9714 3311732.<br><br>Six Continents Hotels reservations worldwide can be made by phoning the following **toll** free numbers <br>in Bahrain (800 880), Egypt (0800-4433322), Jordan (800-22666), Kuwait (473...

**2/3,K/16 (Item 10 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
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24234538 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Please consider Gungahlin-to-Civic light rail**  
CANBERRA TIMES , CT ed, p10  
August 05, 2002  
JOURNAL CODE: WCTS LANGUAGE: English RECORD TYPE: FULLTEXT

Search Report from Ginger R. DeMille

WORD COUNT: 963

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... fail to cover direct operating costs, never mind road damage and provision of 'free' bus lanes ), pedestrians and cyclists (who get 'free' footpaths and cycle lanes ). To see the influence of special-interest groups, look no further than the Western Sydney...

... will pay nothing, whereas motorists using the road will be faced with a series of tolls on top of the contributions already mentioned. ALLAN ARMISTEAD Hackett

The value of free publicity...

**2/3,K/17 (Item 11 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

24032523

**CANADA NEWswire SUMMARY OF RELEASES FOR MONDAY, JULY 22, 2002**

CANADA NEWswire

July 22, 2002

JOURNAL CODE: WCNW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 3153

... 1,000,000 private placement of common shares (VendTek-prvt-placemnt) C6899 - ADA, Okla. : Pre- Paid Legal Announces 2002 Second Quarter Results; Net Income Up 81%, EPS Up 91% and Six-Month Cash Flow Up...

**2/3,K/18 (Item 12 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

23936388 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**InFocus Announces Second Quarter 2002 Financial Results**

BUSINESS WIRE

July 17, 2002

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1556

... in reliability with the industry's most comprehensive line of projectors and presentation products. Solutions range from the smallest and lightest mobile projectors to feature-packed meeting room products and large...

... information, visit the InFocus Corporation web site at [www.infocus.com](http://www.infocus.com) or contact the company toll -free at 800/294-6400 (U.S and Canada) or 503/685-8888 worldwide. InFocus...

**2/3,K/19 (Item 13 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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21692127 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Anglo American PLC - Acquisition**

NEW RNS



Search Report from Ginger R. DeMille

March 12, 2002

JOURNAL CODE: WRNS    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 1581

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... group metals ("PGM's") as by-products. The capital cost to construct this mine was **paid** back within **two** years. A major expansion decision is to be made in the upcoming months, which will...

**2/3,K/20      (Item 14 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

17456522 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Special discounts for motorists**

Harny Abu Khair

MALAY MAIL

June 27, 2001

JOURNAL CODE: FMLM    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 352

... be charged for two weeks to allow motorists to get familiar with the highway. The **toll** charges proposed for the Kerinchi Link is RM2 while the Damansara Link RM1.20. Azmi...

... going to Taman Tun Dr Ismail or Damansara would only have to pay the first **toll** and can then access free once they reach the Damansara **Toll** plaza," he said. For those who opt not to pay **toll**, they can access the **toll** -free **lanes** upon reaching the Jalan Datuk Abu Bakar junction in Section 16, Petaling Jaya. Earlier, Azmi had a dialogue session with representatives from the Action Committee Against **Toll** on Sprint Damansara Link comprising 17 residents associations. Also present were Subang MP Tan Sri...

**2/3,K/21      (Item 15 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

04732151 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**East Coast Fund Manager Likes Orange County, Calif., Toll Roads**

Diana McCabe

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (ORANGE COUNTY REGISTER - CALIFORNIA)

March 21, 1999

JOURNAL CODE: KTOC    LANGUAGE: English    RECORD TYPE: FULLTEXT  
WORD COUNT: 935

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... ago, the two-freeway intersection known as the El Toro "Y" was widened from eight **lanes** to 26. It's already jam-packed, and many are questioning how long additions like...

**2/3,K/22      (Item 16 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

Search Report from Ginger R. DeMille

04704281 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Boston Fund Manager Banks on Orange County, Calif., Toll Roads**

Diana McCabe

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (ORANGE COUNTY REGISTER - CALIFORNIA)

March 20, 1999

JOURNAL CODE: KTOC LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 934

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... ago, the two-freeway intersection known as the El Toro "Y" was widened from eight **lanes** to 26. It's already jam-packed, and many are questioning how long additions like...

... hold off congestion. "You're getting to that point where people will consider paying a **toll**," Sales says.

But it's been a point long in the making.

In 1997, a...

**2/3,K/23 (Item 17 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

02961842

**Oneworld Systems Ships Landmark All-In-One Communications Server for Small and Medium Businesses**

BUSINESS WIRE

September 29, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1472

... The OneWorld 5000 Suite is better than other single-function products in the same price **range** and it is easier to integrate. We see a definite need for this kind of...For more information, visit the company's website at <http://www.oneworldsystems.com>, or call **toll** -free in the United States at 877/697-2677. In Canada, please call 416/621...

**2/3,K/24 (Item 1 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2003 The Gale group. All rts. reserv.

04649637 SUPPLIER NUMBER: 18914558 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Internet gaming. (online gaming services via the Internet)**

O'Malley, Chris

Popular Science, v249, n6, p97(3)

Dec, 1996

ISSN: 0161-7370 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1537 LINE COUNT: 00124

... wild ride, but not necessarily a free one. Most of the new online gaming services **charge** one to **two** dollars per hour, which does not include any telephone **toll** charges or Internet access fees. But to a gamer in search of a midnight match...

...small price to pay for finding a suitable, wakeful opponent (perhaps in an earlier time **zone** ).

And if you're a gamer, you're not alone. More than a million people...

2/3,K/25 (Item 1 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2003 Dialog Corp. All rts. reserv.

00943619 DA

**TITLE: FREE-FLOW MULTI-LANE ETC SYSTEM USING REAL-TIME INDIVIDUAL VEHICLE TRACKING**

AUTHOR(S): Lim, D-W; Jun, J-S; Chung, S-T  
CORPORATE SOURCE: ITS America, 400 Virginia Avenue, SW, Suite 800,  
Washington, DC , 20024-2730,

Pag: 6p

SUPPLEMENTAL NOTES: Full Conference Proceedings available on CD-ROM.

PUBLICATION DATE: 20020000 PUBLICATION YEAR: 2002

LANGUAGE: English SUBFILE: HRIS (H)

ISSN: N/A

AVAILABILITY: ITS America; 400 Virginia Avenue, SW, Suite 800 ;  
Washington; DC ; 20024-2730

ORDER NUMBER: N/A

CONFERENCE TITLE: 9th World Congress on Intelligent Transport Systems

ABSTRACT: This paper presents a multi- lane ETC system that is designed to perform toll collection successfully even though a vehicle changes a lane or goes over two lanes . Two antennas are used with each lane . The first antenna and an enforcement camera system are installed on the first gantry. The...

...real-time tracking camera system are mounted on the second gantry. The first antenna collects charge and the second antenna confirms the collection of charge. The enforcement camera system takes a picture of the...

2/3,K/26 (Item 2 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2003 Dialog Corp. All rts. reserv.

00393302 DA

**TITLE: RIGHT OF WAY AND CONGESTION TOLL**

AUTHOR(S): Berglas, E; Fresko, D; Pines, D  
CORPORATE SOURCE: Bath University, Claverton Down, Bath BA2 7AY, England  
JOURNAL: Journal of Transport Economics and Policy Vol: 18

Issue Number: 2 Pag: pp 165-187

PUBLICATION DATE: 19840500 PUBLICATION YEAR: 1984

LANGUAGE: English SUBFILE: HRIS; IRRD (H 8504; I)

SOURCE ACCESSION NUMBER: IRRD 279848

IRRD DOCUMENT NUMBER: IRRD 279848

ISSN: 00225258

TABLES: 2 Tab.

REFERENCES: 11 Ref.

DATA SOURCE: Transport and Road Research Laboratory

ABSTRACT: This paper is concerned with the economics of separate facilities (roads or lanes within roads) for automobiles and buses in congested urban areas. It shows that assigning separate facilities may be optimum both when a congestion toll is charged to automobile drivers ("first best") and when no such toll is charged ("second best"). This paper is based exclusively on differences in the characteristics of modes. Two main...

Search Report from Ginger R. DeMille

2/3,K/27 (Item 1 from file: 101)

DIALOG(R)File 101:Disclosure Database(R)  
(c) 2003 Thomson Financial. All rts. reserv.

00083498  
PROGRESS ENERGY INC  
Disclosure Co No: P797095700  
Cross Reference: WAS CP&L ENERGY INC  
Company Status: Active

Exchange: NYS  
Ticker Symbol: PGN  
Location of Incorporation: NC

Primary SIC Code: 4911  
Other SIC Codes: 3743; 8711; 4923; 5984; 7389

Description of Business:

THE GROUP'S PRINCIPAL ACTIVITIES ARE THE GENERATION, TRANSMISSION, DISTRIBUTION AND SALE OF ELECTRICITY AND NATURAL GAS IN PORTIONS OF NORTH AND SOUTH CAROLINA AND FLORIDA. THE GROUP IS ALSO INTO THE BUSINESS OF TELECOMMUNICATION SERVICES; COAL AND SYNTHETIC FUEL OPERATIONS, ENERGY MANAGEMENT AND MERCHANT ENERGY GENERATION. THE GROUP'S BUSINESS SEGMENTS ARE ELECTRIC UTILITIES, PROGRESS VENTURES AND RAIL SERVICES. THE ELECTRIC UTILITY ENCOMPASSES ALL REGULATED UTILITY OPERATIONS. PROGRESS VENTURES INCLUDE FUEL EXTRACTION, MANUFACTURING AND DELIVERY, SYNTHETIC FUELS PRODUCTION, MERCHANT GENERATION AND ENERGY MARKETING. RAIL SERVICES INCLUDE RAILCAR REPAIR, RAIL PARTS RECONDITIONING AND SALES AND OTHER RAIL RELATED SERVICES. IN 2002, THE GROUP ACQUIRED WALTON COUNTY POWER, LLC, WASHINGTON COUNTY POWER, LLC AND WESTCHESTER GAS COMPANY. ELECTRIC OPERATIONS ACCOUNTED FOR 82% OF 2002 REVENUES; RAIL SERVICES, 9% AND PROGRESS VENTURES, 9%.

Footnotes:

...and decontamination of enrichment facilities, is computed primarily on the units-of-production method and **charged** to fuel used in electric generation in the accompanying Consolidated Statements of Income. The total

2/3,K/28 (Item 1 from file: 120)

DIALOG(R)File 120:U.S. Copyrights  
(c) format only 2003 The Dialog Corp. All rts. reserv.

11389553  
Nero & 28,386 titles. Transfer of copyright.  
DOC TYPE: Assignment of Copyright  
DATE(s) OF EXECUTION: January 26, 1997  
DATE RECORDED: February 28, 1997

...WORKS: By Charles Wesley & Lowell Mason.

A **charge** to keep I have/hymns for all...Words/music by  
Ruben Estevez & Ashley Thurmond.  
The anxiety **zone** .

2/3,K/29 (Item 1 from file: 141)

DIALOG(R)File 141:Readers Guide  
(c) 2003 The HW Wilson Co. All rts. reserv.

Search Report from Ginger R. DeMille

03550713 H.W. WILSON RECORD NUMBER: BRGA97050713 (USE FORMAT 7 FOR FULLTEXT)

**The scariest biker gang of all.**

AUGMENTED TITLE: Critical Mass bikeathon in San Francisco

Lopez, Steve.

Time (Time) v. 150 (Aug. 11 '97) p. 4

WORD COUNT: 963

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... Beginning next week, every car that crosses the bridge with a lone driver should be **charged** \$4; with **two** people in the car, \$3; with three people, \$2; and with four people, \$1. With less traffic, a bridge **lane** for bikes could be opened, and with the extra **tolls**, public transit could be replenished. Critical thinking as opposed to critical mass. But don't...

**2/3,K/30 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

08289464 SUPPLIER NUMBER: 17634750 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Under attack. (Nova Gas Transmission Ltd.'s tolls) (Cover Story)**

Harvie, Will

Oilweek, v46, n42, p11(3)

Oct 16, 1995

DOCUMENT TYPE: Cover Story

ISSN: 0030-1515

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1876 LINE COUNT: 00151

... accountability, she says.

A far better system, goes the argument, would have a stronger user-pay element. The **two** most-talked-of possibilities are a straight distance **toll**, and a zoning option. Under the distance **toll**, shippers would pay a straight fee per kilometre that their gas travels. Under the zoning option, the province would be divided into three, sometimes four or five **zones** depending on the proposal, and each **zone** would pay a different rate. For gas going east and south, northern **zone** producers would pay the most, southern **zone** producers the least.

The difficulty for those proposing changes is history. "A significant departure from...

**2/3,K/31 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

06224497 SUPPLIER NUMBER: 14151922 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Road pricing in practice. (area licensing scheme and electronic road pricing in Singapore)**

Field, Brian G.

Transportation Journal, v32, n1, p5(10)

Fall, 1992

ISSN: 0041-1612

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4297 LINE COUNT: 00347

... which consists of a microchip and a transceiver. The unit is interrogated using a multi- **lane** magnetic loop array buried beneath the road surface at the various electronic **toll** points. One loop in the array

Search Report from Ginger R. DeMille

transmits a low-powered signal which is received by any vehicle crossing the **toll** point and used as a power source and reference frequency to transmit back to an outstation the particular vehicle's unique identity. The intelligent outstation at the **toll** point carries out a **range** of housekeeping and validity checks. If a vehicle does not have a valid identity unit...

...and transmit it to a central control for further action. Meanwhile, legitimate vehicles will be **charged** in either of **two** ways, depending on which of the technologies being considered--passive or active--is adopted.  
In...

**2/3,K/32 (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

03482650 SUPPLIER NUMBER: 06513583 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Car rentals: how to avoid getting taken for a ride. (Family Finance)**  
Fried, Carla A.  
Money, v17, n4, p201(3)  
April, 1988  
ISSN: 0149-4953 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1847 LINE COUNT: 00136

**2/3,K/33 (Item 4 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

01906943 SUPPLIER NUMBER: 02934916 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Howard Savings Bank to offer discount brokerage service.**  
PR Newswire, NYPR69  
Sept 23, 1983  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 354 LINE COUNT: 00029

... will not be offering expensive research and investment advice, the customer will not have to **pay** for these **two** traditional brokerage services as part of their commissions." McCormick emphasized that there is no charge...

...or sell order, a customer, once an application has been approved simply calls a special **toll** -free 800 number and gives the trade order to a Howard representative at the bank...

...order. Written confirmation notices are mailed the following business day. Customers also can use the **toll** -free 800 number to receive the latest price quotes on a **range** of securities traded on the nation's major exchanges.

The Howard makes the discount brokerage...

**2/3,K/34 (Item 1 from file: 149)**

DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
(c) 2003 The Gale Group. All rts. reserv.

01429317 SUPPLIER NUMBER: 14548423 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Working out at home. (exercise equipment) (Evaluation)**  
Consumer Reports, v58, n11, p729(5)

Search Report from Ginger R. DeMille

Nov,  
1993

DOCUMENT TYPE: Evaluation PUBLICATION FORMAT: Magazine/Journal ISSN:  
0010-7174 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
TARGET AUDIENCE: Consumer  
WORD COUNT: 2786 LINE COUNT: 00319

... female users. Price is manufacturer's suggested retail for the basic gym. \*- marks price CU **paid**. **Two** models have extra-cost attachments; we tested them and list their price in the Ratings...

...leg curl, chest press, butterfly, pull-down, shoulder press, triceps extension, and biceps curl. Resistance **range** is as specified by the manufacturer; the full **range** may not be available for all exercises. Gyms are sold unassembled and include instructions on assembly and use as well as a **toll**-free phone number for customer service. Routine care should prevent pinched fingers and similar risks...

2/3,K/35 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

02544507

US 800 and WATS Services Markets: The Long-Distance WATS Services Market  
(US): Forecasts Of The Total WATS Serices Market: Revenues  
Research Studies-MIRC December 14, 1989 p. V-4+

... LECs). WATS includes a variety of packages that have historically been marketed as MTS (message **toll** service, or basic long-distance) discounts. However, such packages as AT&T's former Pro...

... market and mode of delivery. Traditional, or classic WATS services were offered to the broad **range** of business customers on dedicated single-purpose WATS lines that were nonetheless switched through local...

... DALs) are also included in this segment if they are marketed primarily to a mid- **range** market. High-end WATS-like services were first offered in 1985, marketed to the large...

... WATS-like services offered on regular telephone lines. While these products appeal to a wide **range** of users, they are primarily marketed to relatively small businesses. The plans today typically have their own WATS-like billing schedules, billing per unit of time without MTS' first-minute **charges**, typically offering six- **second** rather than one-second rounding, and charging on a virtually banded basis by mileage and...

2/3,K/36 (Item 1 from file: 163)

DIALOG(R)File 163:Ageline(R)  
(c) format only 2003 The Dialog Corp. All rts. reserv.

00028419

Title: Phone-a-lawyer project gives seniors free or lower cost legal help  
Journal Name: Aging No. 352 1986 p. 27-28 2p.  
Publication Year: 1986  
ISSN: 0002-0966  
Document Type: Journal Article

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...Abstract: Elderly Program of the American Association of Retired Persons, the hotline is staffed by five **paid** attorneys and **two** lawyers who volunteer their services. When a call comes in, the lawyer on duty enters the information on a computer, which enables the project to operate without clerical staff. Questions **range** from estate planning and eligibility for public benefits to consumer issues and divorce. Daily costs...

...about 25 calls a day and hopes to expand state-wide by putting in a **toll** -free number and recruiting attorneys from local areas. (CM) (AgeLine Database, copyright 1986 AARP, all...

**2/3,K/37 (Item 1 from file: 258)**

DIALOG(R)File 258:AP News Jul

(c) 2003 Associated Press. All rts. reserv.

01688075 (USE FORMAT 7 FOR FULLTEXT)

**RETRANSMITTING to fix headline Maruyama feels no pressure playing with Woods; opens with 3-under**

Associated Press

Thursday, July 18, 2002 08:26 EDT

JOURNAL CODE: AP LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 2,142

...driven

by the execution of the Company's strategy to acquire or license a deeper **range** of proprietary independent music and video content;  
-- The Company's fourth consecutive quarter of profitability...

...but also the

execution of our strategy to build strong market positions across a broader **range** of home entertainment categories, thereby enhancing our relationships

with North America's leading retailers. In...GlucoWatch Biographer in the United States, adults (ages 18 and older) with diabetes can call **toll** -free

1-866-GLWATCH to (1) answer a brief telephone questionnaire to be sure the  
...

...price of the Starter Kit, which includes the

GlucoWatch Biographer, instructional video, user guide, battery **charger** and

**two** rechargeable batteries, as well as other accessories, is \$595.

AutoSensors are sold in cartons of...

**2/3,K/38 (Item 1 from file: 267)**

DIALOG(R)File 267:Finance & Banking Newsletters

(c) 2003 The Dialog Corp. All rts. reserv.

04554622

**Oakmark Requires Market Timers to Pay Toll**

Lori Pizzani

Mutual Fund Market News

August 9, 1999 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: SECURITIES DATA PUBLISHING

LANGUAGE: ENGLISH

WORD COUNT: 741

RECORD TYPE: FULLTEXT



Search Report from Ginger R. DeMille

(c) SECURITIES DATA PUBLISHING All Rts. Reserv.

TEXT:

...Fund and The Oakmark Equity & Income Fund, will not be imposing this new frequent trading **toll**.

According to Kelly Arnold, assistant director of marketing for the fund group, both the large...

...said. Rather it's meant to "encourage investors to invest for the long-term or **pay** for transactions."

The **two** percent fee, which will be withheld from hot money trading out of any of the...more, the fund group saw an unusually high volume of trades in the \$900,000 **range**. When that limit was reduced to \$500,000, trades in the \$400,000 **range** were numerous. The problem with identifying market-timers with an itch to switch is that...

**2/3,K/39 (Item 1 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01459559 SUPPLIER NUMBER: 11454759 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Chat lines. (general interest bulletin boards, ECHO and Aline) (Forum)**

Bel Bruno, Ron

PC Sources, v2, n11, p93(1)

Nov, 1991

ISSN: 1052-6579

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 437

LINE COUNT: 00034

... times get rough, you can leave a message for Aline's on-line therapist.

Aline **charges** fall under **two** price structures. Codes are blocks of time sold in one-hour increments and **range** from \$6 for one hour to \$90 for one month's unlimited use. Or you can dial Aline's 900 number and pay 45 cents per minute, plus any applicable **tolls**, charged to your phone bill or credit card. A three-hour trial code is \$14...

**2/3,K/40 (Item 1 from file: 340)**

DIALOG(R)File 340:CLAIMS(R)/US Patent

(c) 2003 IFI/CLAIMS(R). All rts. reserv.

2239269 3217926

**E/FAST LANE CREDIT CARD; METHOD FOR PAYING A TOLL**

Inventors: Swett Paul H (US)

Assignee: Unassigned Or Assigned To Individual

Assignee Code: 68000

	Publication		Application	
Kind	Number	Date	Number	Date
A	US 5101200	19920331	US 89364350	19890609
	(Cited in 041 later patents)			
Priority Applic:			US 89364350	19890609

Calculated Expiration: 20090609

Legal Status: **EXPIRED**

(See File 123 for legal status details)

Exemplary Claim: D R A W I N G

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6. A method for paying a **toll** for use with a vehicle passing through a fast **lane** having a toll booth, comprising the steps of: inputting the tag information into a first...  
...the identification data and tag information by a receiver located at said toll booth; and **charging** to a **second** processor a **toll** fee to an account using the identification data and tag information.

2/3,K/41 (Item 2 from file: 340)  
DIALOG(R)File 340:CLAIMS(R)/US Patent  
(c) 2003 IFI/CLAIMS(R). All rts. reserv.

0734823 1237382

**E/TOLL BOOTH SYSTEM**

Inventors: RUBENSTEIN LOUIS D (N/A)

Assignee: LOUIS D RUBENSTEIN

Kind	Publication Number	Date	Application Number	Date
A	US 3686627	19720822	US 7076821	19700930
	(Cited in 004 later patents)			
Priority Applic:			US 7076821	19700930

Calculated Expiration: 19890822

Abstract: A series of two consecutive **toll** booths along a single **lane** of access and exit, with **toll** -due sign, the **toll** -receiving receptacle, the **toll** -booth treadle, information and direction signs, thank you signs, alarms and the like being for each booth coordinated automatically with the other booth, permitting two consecutive automobiles to be paying **tolls** at the same time, the two automobiles to leave at the same time, and two other automobiles next in line to move to the respective vacant **toll** booths, with the sign at the first vacant **toll** booth directing the first other automobile to proceed to and **pay** ahead at the **second toll** booth and thereafter a sign at the first **toll** booth directing the second other automobile to pay here the **toll** at the first **toll** booth, with a sign at the second **toll** booth directing the first other automobile to **pay** here at the **second toll** booth, with a thank you sign at each **toll** booth activatable and the paytoll signs deactivatable by payment of the **toll** , and with each second automobile being able to proceed past the second **toll** booth without setting off an alarm when already the second automobile has paid its **toll** at the first **toll** booth, a first automobile also being permitted to erroneously pay **toll** at the first **toll** booth and to thereafter proceed past the second **toll** booth without setting off an alarm, the mechanisms of the automatically coordinated **toll** booths being automatically reset for repeat operation, in this manner permitting each available single **lane** to serve to collect **tolls** from a plurality of customers simultaneously to thereby speed-up **toll** collection per highway **lane** and to thereby reduce the possibility of traffic jams during rush hours and/or on...

2/3,K/42 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01254377

**Time management system for passing vehicles**

**Zeiterfassungssystem für vorbeifahrende Fahrzeuge**

1820-Aug-0302:07 PM

**Systeme de gestion du temps pour des voitures qui passent**

**PATENT ASSIGNEE:**

Hitachi, Ltd., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, (JP), (Applicant designated States: all)  
HITACHI INFORMATION & CONTROL SYSTEMS, INC., (1286190), 2-1, Omika-cho 5-chome, Hitachi-shi, Ibaraki-ken, (JP), (Applicant designated States: all)

**INVENTOR:**

Kawanabe, Toshiro, Hitachi, Ltd., I.P.G., New Marunouchi Bldg 5, 1-1 Marunouchi, Chiyoda-ku, Tokyo 100-8220, (JP)  
Kayukawa, Satoru, Hitachi, Ltd., I.P.G., New Marunouchi Bldg 5, 1-1 Marunouchi, Chiyoda-ku, Tokyo 100-8220, (JP)  
Nozato, Masanari, Hitachi, Ltd., I.P.G., New Marunouchi Bldg 5, 1-1 Marunouchi, Chiyoda-ku, Tokyo 100-8220, (JP)  
Shimizu, Yasuo, Hitachi, Ltd., I.P.G., New Marunouchi Bldg 5, 1-1 Marunouchi, Chiyoda-ku, Tokyo 100-8220, (JP)  
Iino, Takayuki, Hitachi, Ltd., I.P.G., New Marunouchi Bldg 5, 1-1 Marunouchi, Chiyoda-ku, Tokyo 100-8220, (JP)

**LEGAL REPRESENTATIVE:**

Hackney, Nigel John et al (76991), Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 1083523 A1 010314 (Basic)

APPLICATION (CC, No, Date): EP 302127 000315;

PRIORITY (CC, No, Date): JP 99252494 990907

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-015/00

ABSTRACT WORD COUNT: 146

**NOTE:**

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200111	760
SPEC A	(English)	200111	3622
Total word count - document A			4382
Total word count - document B			0
Total word count - documents A + B			4382

...SPECIFICATION so that traffic congestion may occur at the tollhouse.

To solve such problems, an automatic **toll** transfer system has been adopted. This automatic **toll** transfer system incorporates the configuration that a fixed station serving as a fixed communication unit is provided at a tollhouse on a **toll** road or the like, a vehicles running along the **toll** road is equipped with a mobile station serving as a mobile communication unit, and the **toll** is automatically transferred by exchanging information on the **toll** transfer between the fixed station and mobile station through wireless communications. For example, in this system, information on an entrance tollhouse and an exit tollhouse, information on a **toll** transfer and the like are exchanged through wireless communications, and the **toll** is calculated at the fixed station and incurred to the bank account or the like of a user (driver). Manual **toll** calculation and charge process are therefore unnecessary and the man power can be reduced. Still more, a time **zone** is set during which the communications from the mobile station to the fixed station is inhibited for a predetermined time (release timer time) after the **toll** transfer information is exchanged between the mobile and fixed stations. Therefore, during the predetermined time...

...fixed station from issuing a communication link request to the mobile

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station and executing a **charging** process **twice** .

The conventional automatic toll transfer system, however, does not consider the case wherein a vehicle...

2/3,K/43 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A  
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF  
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE  
DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTE, ET  
PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US

(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)

Application: WO 2000US32310 20001122 (PCT/WO US0032310)

Priority Application: US 99444653 19991122; US 99447623 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 156214

Fulltext Availability:

Detailed Description

Detailed Description

... times is more expensive than "base-line" power. For demand side management, utility companies will **charge** on a cost basis rather than an average use basis that has existed in the...end-devices such that they will become IP enabled, and will thus allow a broad **range** of innovations by allowing mobility to the wire-line EP based service capabilities (e...or application server. The cable modems used provide users and applications with a wide **range** of bandwidth options from 2 to 10Mbits per second depending on configuration and choice of...in a flexible format that easily and efficiently responds to daylight savings time and time **zone** changes.

There is also a need to match all of the call records associated with... coordinated universal time (UTC), as determined at 1 5 Greenwich, England, which has a time **zone** of zero (0) local switch time, or any other time.

Epoch time is only a...phone number), E-mail address, paging service,

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fax number, secretary plione number, location, time **zone** , working hours and other pertinent information that will be useful for initiating a call. Default...64 kilobits per second. The traditional phone network runs voice at orily 4 kilobits per **second** . To adopt ISDN, an end user or company must upgrade to ISDN terminal equipment, central...

2/3,K/44 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00806383

**COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF**

**PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 157840

Fulltext Availability:

Detailed Description

Detailed Description

... end-devices such that they will become IP enabled, and will thus allow a broad **range** of innovations by allowing mobility to the wire-line IP based service capabilities (e.g...PC or application server. The cable modems used provide users and applications with a wide **range** of bandwidth options from 2 to I OMbits per second depending on configuration and choice...in a flexible format that easily and efficiently responds to daylight savings time and time **zone** changes. There is also a need to match all of the call records associated with... coordinated universal time (UTC), as deten-nined at is Greenwich, England, which has a time **zone** of zero (0) local switch time, or any other time.

Epoch time is only a...reflecting the switch time relative to the UTC,

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that is, the offset due to time **zones** and, if appropriate, daylight savings time changes. There are three factors to consider when evaluating time change relative to UTC. First, there are time **zones** on both sides of UTC, and therefore there may be both negative and positive offsets. Second, the time **zone** offsets count down from zero (in Greenwich, England) in an Eastward direction until the International...

...reached again at Greenwich. Third, there are many areas of the world that have time **zones** that are not in exact one-hour increments. For example, Australia has one time **zone** that has a thirty (30) minute difference from the two time **zones** on  
82  
minute increments.

There are two formulas used to convert local switch time to...Cellular phone number), E-mail address, paging service, fax number, secretary phone number, location, time **zone**, working hours and other pertinent information that will be useful for initiating a call. Default...alann to the service provider if the current level of service is within a predetermined **range** with respect to the minimum level of service. The threshold is preferably chosen such that...

2/3,K/45 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00275366

IMPROVED PORTABLE POWER SOURCE AND RF TAG UTILIZING SAME  
SOURCE D'ALIMENTATION EN PUISSANCE PORTABLE PERFECTIONNEE ET BADGE A HAUTE  
FREQUENCE DANS LAQUELLE LADITE SOURCE EST UTILISEE

Patent Applicant/Assignee:

MOTOROLA INC,

Inventor(s):

GHAEM Sanjar,

LAURO George L,

ISTVAN Rudyard L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9423542 A1 19941013

Application: WO 94US180 19940302 (PCT/WO US9400180)

Priority Application: US 9340969 19930331

Designated States: AU JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 10172

Fulltext Availability:

Detailed Description

Detailed Description

... for use in an RF tag system employed,  
for example,. for access 'control or automatic **toll** debiting, it  
is not suitable for general application to portable electronic  
devices. The arrangement provides...

...frequency. As a result, the amount of power generated is  
extremely low, severely limiting the **range** of the  
transmitted signal. Further, such an arrangement requires  
two separate antennas. One antenna must be relatively  
large for generating sufficient electric current to **charge** the  
capacitor. The **second** antenna is utilized as the  
transmitting antenna. With the need for two separate

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antennas, and...

2/3,K/46 (Item 1 from file: 387)

DIALOG(R)File 387:The Denver Post  
(c) 2003 Denver Post. All rts. reserv.

01057757 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**HOT lane idea on fast track Many states adopt toll-paying system**

Jeffrey Leib, Denver Post Staff Writer

Denver Post, SUN1 ED, P A-26

Sunday, February 25, 2001

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

SECTION HEADING: FRONT PAGE

Word Count: 537

(USE FORMAT 7 OR 9 FOR FULLTEXT)

San Diego has had a HOT- lane operation on 8 miles of Interstate 15's HOV lanes for about three years. HOT stands for high-occupancy/ toll - paying .

Carpools with two or more occupants per vehicle ride free in the HOT lanes , along with buses. Single-occupant vehicles pay a toll ranging from about 50 cents to \$4, depending on the time of day, for each...

...Interstate 10 and U.S. 290.

But the county charges vehicles with two occupants the toll , while cars with three or more occupants ride for free. Single-occupant vehicles, even if their drivers are willing to pay a toll , are barred from the express lanes .

Harris County uses HOT-lane pricing to manage traffic flows in the I-10 and...

2/3,K/47 (Item 1 from file: 388)

DIALOG(R)File 388:PEDS: Defense Program Summaries  
(c) 1999 Forecast Intl/DMS. All rts. reserv.

00001327

**Kenedy Space Center**

Binder: PROGRAM ELEMENT DESCRIPTIVE SUMMARY - FY1991

Service: NASA

Pub. Date: August 12, 1991

Source: Forecast International/DMS

Language: ENGLISH

Word Count: 4975

Pgm.Element: RPM2

Country: UNITED STATES

Industry: AEROSPACE AND DEFENSE

Binder Code: PEDS1991

...Local travel includes personal travel in and around the official station of the employer, including tolls ,

Search Report from Ginger R. DeMille

parking fees, and taxis. Non-NASA travel includes transportation of persons, per diem and other...  
...139 144,049 154,907

Explanation of Fund Requirement

Operation of Installation provides a broad **range** of services, supplies, and equipment in support of the Center's institutional activities. These are...a comprehensive safety program. This includes the establishment and development of both short and long- **range** work plans, emergency plans and schedules in support of KSC base operations. The support contractor...946 4,264

These funds provide for the costs of local telephone service, long distance **tolls**, and special communication services in support of all NASA civil service and contractor personnel located...

...minor contracts for special and one-time services.

The base operations contractor provides a broad **range** of procurement and logistics services including receipt, storage, and issuing of supplies, parts and equipment...  
...office mail, classified document control, operation of the KSC branch post office, and postal service **charges**.

**Two** major types of medical services are provided, occupational medicine and environmental health. Occupational medicine includes...

2/3,K/48 (Item 1 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

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06807678 SUPPLIER NUMBER: 112947108

**Thinking Right: Taxes, tolls, Clinton**

WOOTEN, JIM

Atlanta Journal - Constitution, p A.16

Apr 5, 2002

NEWSPAPER CODE: ALJC

DOCUMENT TYPE: Commentary; Newspaper article

LANGUAGE: English RECORD TYPE: ABSTRACT

...ABSTRACT: a struggling young family's 30-year mortgage. The other is that they make newcomers **pay twice**: once for the property-tax debt on existing infrastructure, and again on the new stuff...

...debt incurred for the same purpose --- parks, for example, or schools. Yes, the Ga. 400 **toll** is not going away. Surprise! Once a tax becomes accepted, it never goes away, especially if it falls upon an out-of-favor constituency: Northside motorists. The **toll** was to expire when the bonds are paid off, by 2011 at the latest. But....

...Northern Arc, bridges --- whatever the politicians choose. A misconception is developing that the Ga. 400 **tolls** are to pay for the Northern Arc. But you could just as easily apply the...

...any other transportation improvement, whether it's the proposed 17th Street bridge or a four- **lane** road in South Georgia.



2/3,K/49 (Item 2 from file: 483)  
DIALOG(R)File 483:Newspaper Abs Daily  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

06347674 SUPPLIER NUMBER: 69080322  
**HOT lane idea on fast track Many states adopt toll-paying system**  
Leib, Jeffrey  
Denver Post, p A.26  
Feb 25, 2001  
NEWSPAPER CODE: DPST  
DOCUMENT TYPE: News; Newspaper article  
LANGUAGE: English RECORD TYPE: ABSTRACT

ABSTRACT: Carpools with two or more occupants per vehicle ride free in the HOT **lanes** , along with buses. Single-occupant vehicles pay a **toll** ranging from about 50 cents to \$4, depending on the time of day, for each ...

...Eric Pahlke, director of transportation for the San Diego Association of Governments. If too many **toll** -paying single-occupant vehicles begin to clog the HOT **lanes** , planners can almost instantaneously flash **tolls** as high as \$8 on electronic message boards posted in advance of HOT-**lane** entry points, Pahlke said. The county **charges** vehicles with **two** occupants the **toll** , while cars with three or more occupants ride for free. Single- occupant vehicles, even if their drivers are willing to pay a **toll** , are barred from the express **lanes** .

2/3,K/50 (Item 3 from file: 483)  
DIALOG(R)File 483:Newspaper Abs Daily  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

06157421 SUPPLIER NUMBER: 60616311  
**WHEN IT RAINS IT POURS ON PROVIDENCE COMMUTER RAIL LINE**  
Palmer, Thomas C Jr  
Boston Globe, p B2  
Sep 18, 2000  
ISSN: 0743-1791 NEWSPAPER CODE: BOST  
DOCUMENT TYPE: MET; Newspaper article  
LANGUAGE: English RECORD TYPE: ABSTRACT

...ABSTRACT: in significant numbers. Pit stops After last week's report criticizing the Turnpike's Fast **Lane** accounting system, we checked our **toll** charges for the last month, and we were correctly **charged** . . . There are **two** public hearings on the federal government's transportation review of the Boston Metropolitan Planning Organization...

...Town Hall, and Thursday the same hours at the Dudley Branch Library in Roxbury . . . The **lane** markings on the southbound Southeast Expressway near Albany Street have faded away, and it's...

...this denial of transit access to the waterfront is needed or justified" . . . That exact-change **lane** light and alarm outbound on the Turnpike to Cambridge and Allston are still letting people...

2/3,K/51 (Item 4 from file: 483)  
DIALOG(R)File 483:Newspaper Abs Daily  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

Search Report from Ginger R. DeMille

04425245

**Automated Tolls Get Second Chance / Carquinez test begins next month**

Wildermuth, John

San Francisco Chronicle, Sec A, p 1, col 4

Feb 10, 1997

NEWSPAPER CODE: SF

DOCUMENT TYPE: News; Newspaper

LANGUAGE: English RECORD TYPE: ABSTRACT

LENGTH: Long (18+ col inches)

ABSTRACT: A tiny electronic box that lets Southern California drivers zip along **toll** roads without stopping to **pay** will get its **second** trial on a Bay Area bridge next month. Beginning March 6, a modified system will be tested for 60 days on four of the Carquinez Bridge's 12 **toll** booths. If MFS Network Technologies, the company that has a contract with the state, can show Caltrans that its automated **toll** collection technology works, it could go into operation on the bridge by October and on other bridges sometime after that. The 91 Express **Lanes**, as the **toll** road is called, consists of four extra **lanes** in the middle of the freeway between the Riverside County line and Highway 55 on...

...A private company, the California Private Transportation Co., spent \$126 million to put in two **lanes** in each direction and pays for all maintenance and law enforcement on that strip.

**2/3,K/52 (Item 1 from file: 587)**

DIALOG(R) File 587:Jane's Defense&Aerospace

(c) 2003 Jane's Information Group. All rts. reserv.

10902381

Word Count:1871

**A shooting alternative**

JANE'S POLICE REVIEW (XXX) JULY 27, 2001 v.109 no. 5632

Section Heading: PERSONAL VIEW

...ever been out of the news. In the intervening period, two police officers have been **charged** with murder after **two** separate incidents and, in one of those, several senior officers were also charged with misfeasance...

...their opinion on whether the officers should be prosecuted or not.

All this takes its **toll**, and no matter what the end result is, the effect on the officers concerned can...the use of a firearm? At the moment the solution is being sought within the **range** of commercially available less-lethal technologies which, it is claimed, can be used as an...

**2/3,K/53 (Item 1 from file: 608)**

DIALOG(R) File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06656524 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**JIT Intermodal Terminal Acquires More Land in Chattanooga, Tenn., Area**

James Beach

Chattanooga Times/Free Press

April 25, 1999

DOCUMENT TYPE: NEWSPAPER

RECORD TYPE: FULLTEXT

LANGUAGE: ENGLISH

Search Report from Ginger R. DeMille

WORD COUNT: 864

...TEXT: lot of other people's jobs," said Mr. Bennett.  
The business makes its money on **toll** and storage **charges** dealing in  
**two** divisions: steel coils and chemicals. Texaco is a major customer, as  
are a number of...

...If it does, then it's a problem. Most of our money is made on **toll**  
charges and handling charges," Mr. Bennett added.  
Steel firms ship tons of coiled steel to...

...locations, many of them local.  
"We sit right in the middle of what we call " **range** valley." A lot of the  
steel you see here will be used in appliances. There's...

**2/3,K/54 (Item 2 from file: 608)**

DIALOG(R) File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06654738 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The Boston Globe Consumer Beat Column**

Bruce Mohl and Patricia Wen

Boston Globe

April 18, 1999

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 1296

...TEXT: Boston Globe  
Apr. 18--Starting Tuesday, you can select a phone company to handle  
regional **toll** calls the same way you select a company to handle  
long-distance calls.  
The selection...

...down rates as companies battle Bell Atlantic for a piece of the \$250  
million regional **toll** business in Massachusetts.  
A regional **toll** call is defined as a call made to a point outside your  
local calling area...

...approval for a calling plan that would charge customers 8 cents a minute  
for weekday **toll** calls and nothing -- that's right, nothing -- for calls  
made on weekends.  
The proposed "weekend choice" plan requires a minimum monthly regional  
**toll** bill of \$2.95, or about 37 weekday minutes. But after that, you can  
call...

...nothing.  
Customers have been able to use a company other than Bell Atlantic for  
regional **toll** calls for more than three years, but it hasn't been easy.  
It required dialing...

...could select one company to handle their local phone service, one to  
handle their regional **toll** calls, and another for long-distance service.  
The bills could all come separately or be...

...and sizes; call 800-565-4106 for a list. Those interested in serving  
residential customers **range** from giants such as AT&T, Sprint, and MCI  
WorldCom, which have customer service departments...

...unfamiliar with their company's offerings.

Search Report from Ginger R. DeMille

Most of the companies we contacted were offering regional **toll** rates of 10 cents a minute or more, well in excess of the standard **toll** rates Bell Atlantic **charges** two-thirds of its customers. The other customers are on calling plans that include regional **toll** calling. The standard rates are 8 cents a minute from 8 a.m. to 5...

...each call made.

Residents of western Massachusetts get a far better deal. Bell Atlantic's **toll** rates there are 5.5 cents a minute from 9 a.m. to 9 p...

...3.6 cents a minute at all other times.

Bell Atlantic also offers bulk-rate **toll** plans as part of some of its calling plans, such as Bay State East and...

...in Louisville, Ky., are the most aggressive smaller firms.

MCI WorldCom is offering a regional **toll** rate of 5 cents a minute anytime with a \$4.95 monthly fee or a...

**2/3,K/55 (Item 3 from file: 608)**

DIALOG(R)File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06649536 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Cable Deregulation Not Expected to Drive Up Rates**

Jon Denton

Daily Oklahoman

April 01, 1999

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 725

...TEXT: Meribeth Sloan at Cox.

"We're still regulated on basic cable and installation and other **charges**."

Rates for basic service, including broadcast channels and local access programming, continue to be regulated...

...20 percent of the market for multichannel television.

-----  
Visit The Oklahoman Online, the World Wide **Web** site of The Daily Oklahoman, at <http://www.oklahoman.net>

(c) 1999, The Daily Oklahoman

**2/3,K/56 (Item 4 from file: 608)**

DIALOG(R)File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06649462 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Pueblo, Colo., Boeing Plant Recognized for Outreach Efforts**

Pueblo Chieftain, Colo

April 02, 1999

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 241

...TEXT: three awards the company's Delta II teams received from Rotary National Award for Space **Achievement** Foundation.

The Pueblo plant, where the final assembly of the Delta II rockets takes place, was cited...

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...high school and elementary school-age children to the inner workings of the plant."

Boeing **announced** the awards from its Huntington Beach, Calif., headquarters.

The two other awards were for Boeing...

...delivered 72 satellites into space.

"It's an honor to receive these awards which recognize **both** our efforts on **the** launch pad and within the community," said Jay Witzling, Boeing vice president of Delta II...

...these achievements."

Award winners are selected from nominations by NASA, military, university and industry leaders.

**The** awards were established in 1985 by the Space Center Rotary Club to recognize outstanding achievements

2/3,K/57 (Item 5 from file: 608)

DIALOG(R) File 608:KR/T Bus.News.

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06648551 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Chicago Tribune Manufacturing Notebook**

Sallie L. Gaines and Michael Arndt

Chicago Tribune

April 01, 1999

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 813

...TEXT: which is negotiating with Case Corp. and Deere & Co. to provide agricultural equipment and expertise. **And** consider **the** two companies, which would just love to jump-start lagging sales by selling to the...

...to pay for all the equipment and services Case and Deere have to sell. That **will** have to come from third parties who see Russia as a risk worth taking, says...

...in the Russian agricultural sector," Lamb says. "The root cause is the lack of credit **in** that sector -- credit **for** raw materials, credit for the retail customers."

A cash infusion is unlikely, he says. "You...

...a sovereign guarantee, without the backing of the Russian Federation to the credit."

But once **that** backing is in place, Lamb expects multinational institutions like the Export-Import Bank to weigh...

...the projects we've done is that the payback is tremendous. The projects are very **sound** financially. **The** U.S. Ex-Im bank's lending on agricultural projects has been very, very successful," he says.

**Lamb** says step one to improving Russia's agricultural sector is pretty basic -- stop leaving a...

...more of the grain in the field at harvest time. Not only are Russia's **combines** antiquated, there just aren't enough of them, he says. Harvesting and selling just the grain currently left in the field would **pay** for the combines necessary to achieve that, he says. He hopes Russia will line up...

...to assemble combines in Russia rather than build new plants from

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scratch.

The combines would **be** built in East Moline, then disassembled and shipped to Russia for re-assembly. "This is...

...Eve, a Friday this year. And the quarter of companies planning to kick in an **extra** holiday are adding it up front -- on Thursday -- rather than at the tail end.

Conventional...

...work on Monday after a three- or four-day weekend.

-----  
Visit the Chicago Tribune on **America** Online (keyword: TRIBUNE) or the Internet Tribune on the World Wide Web at <http://www...>

**2/3,K/58 (Item 6 from file: 608)**

DIALOG(R)File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06595949 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Bargain Hunters Find More Option for Last Minute Airplane Tickets**

Dawn Gilbertson

Arizona Republic

October 08, 1998

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 1424

...TEXT: last-minute ticket prices are sky-high.

With no advance-purchase discounts, passengers can easily **pay two** or three times as much as the lowest discount fare. Need to go to Chicago...

...to New York or Philadelphia, \$79 to San Francisco and \$59 to San Diego. Jeff **Lane**, a media spokesman for Salt River Project, scans the specials each week for deals to...

...be prepared for a long wait on hold when you call some of the consolidators' **toll** -free numbers.

The latest twist on consolidation is Priceline.com. It debuted this year with...

**2/3,K/59 (Item 7 from file: 608)**

DIALOG(R)File 608:KR/T Bus.News.

(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06592912 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Roanoke, Va.-Area Consumers Choose among Cellular Phone Carriers**

Lois Caliri

Roanoke Times, Va

September 28, 1998

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 2607

...TEXT: on the plan.

Regardless of the promotions, automatic charges apply. For example, United States Cellular **charges** its customers **two** cents a minute for every call they make.

GTE WIRELESS: GTE also offers only analog here. Its basic package includes 20 minutes for \$20 a month. Prices for its phones **range** from \$11 to \$379.95.

It has a special deal including an 30 extra minutes...

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...area, they pay 35 cents for every minute beyond their allotted time. Roaming fees and toll calls cost are extra, depending on where customers call within and out of GTE's...  
...state. It also charges 15 cents a minute for long-distance calls. Intelos also offers toll-free calling plans -- for an extra \$15 month -- for the states that border Virginia and...

2/3,K/60 (Item 8 from file: 608)  
DIALOG(R)File 608:KR/T Bus.News.  
(c)2003 Knight Ridder/Tribune Bus News. All rts. reserv.

06576681 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**SEC Requires Firms to Report How Much Executives Earn, and Why**  
The Philadelphia Inquirer  
August 03, 1998  
DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH  
WORD COUNT: 1800

...TEXT: then compared this performance with those of the world's biggest industrial companies.

By contrast, Toll Bros. Inc., a home construction company with sales and profits less than 3 percent of...

...measures of shareholder return, in explaining why it paid its top executives, Robert and Bruce Toll, \$2.7 million each, not counting options.

Given the many different approaches, business scholars have...

...by "outside," or nonemployee, members of a company's board of directors -- shows a wide range of factors and carefully worked out explanations for management's six-, seven- and eight-figure...

...deals for two reasons: One, the surviving chairman has a bigger job, so he's paid more; two, the chairman who bows out gets a terrifically large payment and a million-dollar pension...Improved revenues and cost-cutting allowed the company to pay off \$1 billion in debt.

Toll Brothers says comparisons within its industry aren't very meaningful. "The construction industry is very...

2/3,K/61 (Item 1 from file: 609)  
DIALOG(R)File 609:Bridge World Markets  
(c) 2001 Bridge. All rts. reserv.

01730923 BSGFMRW (USE FORMAT 7 FOR FULLTEXT)  
**FULL: Cummins revises year oper net estimate to 20-35c shr (B)**  
BRIDGENEWS GLOBAL MARKETS  
Friday, June 1, 2001 13:18 GMT  
JOURNAL CODE: MAR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 1,147

...ITS  
CUSTOMER'S NEEDS. THE COMPANY SAID THAT IT WOULD TAKE A SPECIAL PRE-TAX CHARGE IN THE SECOND QUARTER OF \$100 MILLION TO \$120 MILLION RELATING TO THE TERMINATION OF THE DEVELOPMENT OF...

...IT IS REVISING ITS  
EARNINGS ESTIMATE (BEFORE THE SPECIAL CHARGE) FOR THE YEAR TO A RANGE

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OF \$0.20 TO \$0.35 PER SHARE. THE COMPANY EXPECTS THAT EACH OF THE...

...billion in 2000. Press releases by fax may be requested by calling News on Demand ( toll free) at 888-329-2305. Cummins' home page on the Internet can be found at...

2/3,K/62 (Item 1 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2003 PR Newswire Association Inc. All rts. reserv.

00988178 20030529NYTH065 (USE FORMAT 7 FOR FULLTEXT)  
**NUR Macroprinters Ltd. Announces FY2003 First Quarter Results**  
PR Newswire  
Thursday, May 29, 2003 07:03 EDT  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 1,310

TEXT:

...We expect that the consolidation of our manufacturing operations will result in a one time **charge** in the **second** quarter of 2003. We further expect that the consolidation of our equipment manufacturing facilities will...

...in those we plan to introduce later this year -- the NUR Ultima series of mid- **range** photorealistic printers currently in beta testing and the NUR Tempo flatbed digital inkjet press expected...

...EDT / 5:30pm Israel time. To participate, please call 1-800-540-0559 (U.S. **toll free**), or 1-785-832-2422 (international), ID  
Code: NUR. The conference call also will...

...EDT on the day of the call, by calling 1-888-274-8336 (U.S. **toll free**) / 1-402-220-2328 (international).

ABOUT NUR MACROPRINTERS LTD.  
NUR Macroprinters (Nasdaq: NURM) is...

2/3,K/63 (Item 2 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2003 PR Newswire Association Inc. All rts. reserv.

00836249 20021011DEF012 (USE FORMAT 7 FOR FULLTEXT)  
**Household Finance Settlement Yields Restitution to Michigan**  
PR Newswire  
Friday, October 11, 2002 10:54 EDT  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 1,093

TEXT:

...believe they were receiving interest rates of about seven or eight percent and were actually **charged** nearly **twice** that much.  
Some consumers were trapped in costly loans or charged costly prepayment penalties that...



...real estate loan secured dollar volume. The settlement specifies that the national restitution fund could **range** from \$387.5 million up to \$484 million, depending on participation by states. All states page, www.michigan.gov . All information is also available through the OFIS toll free number, 877-999-6442. If you would like to receive OFIS press releases electronically...

**2/3,K/64 (Item 3 from file: 613)**

DIALOG(R)File 613:PR Newswire

(c) 2003 PR Newswire Association Inc. All rts. reserv.

00767687 20020515SFW029 (USE FORMAT 7 FOR FULLTEXT)

**C-GF 18:20 Cygnus Receives \$5 Million Milestone Payment From Sankyo**

PR Newswire

Wednesday, May 15, 2002 17:50 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 1,541

TEXT:

...Biographer," stated Mr. Hodgman,

"Sankyo is a very professional organization with a broad and impressive **range**

of commercial capabilities and resources from which our business can benefit.

We are particularly pleased...

...learning more about the

GlucoWatch Biographer and how to order can request information by calling toll

free 1-866-GLWATCH (1-866-459-2824) or by visiting www.glucowatch.com. To

...

...price of the Starter Kit, which includes the GlucoWatch Biographer, instructional video, user guide, battery **charger** and **two** rechargeable batteries, as well as other accessories, is \$595. AutoSensors are sold in cartons of...com . Additional information about the

GlucoWatch Biographer can be obtained by calling the Company's toll -free number, 1-866-GLWATCH, or by visiting <http://www.glucowatch.com>.

Some of the...

**2/3,K/65 (Item 4 from file: 613)**

DIALOG(R)File 613:PR Newswire

(c) 2003 PR Newswire Association Inc. All rts. reserv.

00741789 20020402DETU013 (USE FORMAT 7 FOR FULLTEXT)

**MI Unemployment Agency: Credits for Hiring Hard-to-Employ**

PR Newswire

Tuesday, April 2, 2002 11:04 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 543

TEXT:

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...first year of employment. W2W  
allows a maximum tax credit of \$8,500 on wages **paid** during the first **two**  
years  
of employment.

In 2001, UA issued 7,764 WOTC certifications worth as much as...

...rehabilitation clients,  
supplemental security income (SSI) recipients, ex-felons, and those living  
in  
an empowerment **zone** or enterprise community who are either 18 to 24 years  
old  
or youth in summer...

...at [www.michigan.gov/ua](http://www.michigan.gov/ua)  
or they can obtain them by calling our WOTC Unit **toll** -free at  
1-800-482-2959,"  
Wheatley said.

The Unemployment Agency, which administers the state...

**2/3,K/66 (Item 1 from file: 619)**  
DIALOG(R)File 619:Asia Intelligence Wire  
(c) 2003 Fin. Times Ltd. All rts. reserv.

09530360 WINE26202059 (USE FORMAT 7 FOR FULLTEXT)  
**THERE ARE NO FRINGE BENEFITS**  
Indian Express  
Friday, November 22, 2002  
JOURNAL CODE: WINE LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1874

...out of passenger buses had already taken place and Punjab was pretty  
much a terror **zone** in a way no other part of the country had ever been.  
But Badal and...

...te goonde (sundry boys and hoodlums). But if you treated them as such,  
who would **pay** your salaries? JUST **two** weeks later, Indira Gandhis  
commandos, the Brigade of Guards and Vijayanta tanks were laying...a small  
minority against the might of the entire Indian state and extracted such a  
**toll**. What can happen if somebody were to, some day, attempt to lead the  
dominant majority...

**2/3,K/67 (Item 2 from file: 619)**  
DIALOG(R)File 619:Asia Intelligence Wire  
(c) 2003 Fin. Times Ltd. All rts. reserv.

05177689 HLWGUAOOAIW (USE FORMAT 7 FOR FULLTEXT)  
**MOTORISTS FEEL RATES TOO HIGH, SAYS BOON HENG: MANY FIND PROPOSED TOLL  
CHARGES TOO STEEP**  
Ahmad Osman  
SINGAPORE STRAITS TIMES  
Monday, December 22, 1997  
JOURNAL CODE: SPHL LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 796

...Causeway. But, in time, they  
would work out if it was worth paying the high **charges**.

The proposed **second** link toll rates, he said, would also force those  
enjoying the drive to Malaysia to...

2/3,K/68 (Item 3 from file: 619)  
DIALOG(R)File 619:Asia Intelligence Wire  
(c) 2003 Fin. Times Ltd. All rts. reserv.

05176490 HLWECAHOAIW (USE FORMAT 7 FOR FULLTEXT)  
**MOTORISTS FEEL M'SIAN TOLL RATES TOO HIGH : BOON HENG**  
BUSINESS TIMES (Singapore Press Holdings Ltd)  
Monday, December 22, 1997  
JOURNAL CODE: BTSI LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 599

...Causeway. But, in time, they  
would work out if it was worth paying the high **charges** .

The proposed **second** link toll rates, he said, would also force those  
enjoying the drive to Malaysia to...

2/3,K/69 (Item 1 from file: 622)  
DIALOG(R)File 622:EIU Magazines  
(c) 2003 EIU Magazines. All rts. reserv.

00120190 (USE FORMAT 7 FOR FULLTEXT)  
**ATA Rails Against Tolls**  
TRAFFIC WORLD  
Monday, March 18, 2002  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: JOURNAL  
WORD COUNT: 621

TEXT:

...through a public-private financing plan. What the truckers are against  
are mandatory truck-only **toll lanes** . The trucking industry already pays  
for its highway usage through dedicated highway taxes, the associations...

...project represents what ATA calls a "tremendous safety risk" by forcing  
trucks to cross several **lanes** of automobile traffic in order to enter and  
exit the tolled truck-only **lanes** . "While we applaud Virginia for  
examining this unique approach, the trucks-only **toll -- lanes** plan is  
outright unsafe for motorists and fiscally unsound for Virginia," ATA  
President and CEO...

...its fair share of highway taxes and it is unacceptable to ask this  
industry to **pay twice** for the use of this interstate. Very few  
Virginians would support a plan that would...

...legislation that would authorize tolling on Virginia's interstate  
highways. They said the truck-only **tolls** , public-private financing plan  
for I-81 is too risky for Virginia. ATA's highway policy and safety experts  
say previous experience with new **toll** roads and **toll** increases  
indicates there likely will be a large amount of truck traffic diverted  
from I...

...congested I-95 in eastern Virginia. According to ATA, if the proposed  
I-81 truck **toll lanes** cost as much as 20 cents per mile, urban truck  
traffic would increase by more...

...and by more than 225,000 on I-95 near Washington, D.C. The same **toll**

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would produce huge increases in truck traffic for popular Virginia rural highways. Examples include a...

...exits for trucks. This means that large trucks will be forced to merge across two **lanes** of passenger vehicle traffic at the majority of interchanges. "It just doesn't make sense..."

**2/3,K/70 (Item 2 from file: 622)**

DIALOG(R)File 622:EIU Magazines

(c) 2003 EIU Magazines. All rts. reserv.

00119352 (USE FORMAT 7 FOR FULLTEXT)

**ATA Opposes Proposed I-81 Tolls**

TRAFFIC WORLD

Thursday, February 21, 2002

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: JOURNAL

WORD COUNT: 328

...through a public-private financing plan. What the truckers are against are mandatory truck-only **toll lanes**. The trucking industry already pays for its highway usage through dedicated highway taxes, the associations...

...project represents what ATA calls a "tremendous safety risk" by forcing trucks to cross several **lanes** of automobile traffic in order to enter and exit the tolled truck-only **lanes**. "While we applaud Virginia for examining this unique approach, the trucks-only **toll lanes** plan is outright unsafe for motorists and fiscally unsound for Virginia," ATA President and CEO...

...its fair share of highway taxes and it is unacceptable to ask this industry to **pay twice** for the use of this interstate. Very few Virginians would support a plan that would...

...legislation that would authorize tolling on Virginia's Interstate highways. They said the truck-only **tolls**, public-private financing plan for I-81 is too risky for Virginia. ATA's highway policy and safety experts say previous experience with new **toll roads** and **toll increases** indicates there will likely be a large amount of truck traffic diverted from I...

**2/3,K/71 (Item 1 from file: 631)**

DIALOG(R)File 631:Boston Globe

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12117370

**PAYING DOUBLE?**

Boston Globe (BG) - Sunday, April 27, 2003

By: JUDITH FORMAN

Edition: THIRD Section: Globe South Page: 3

Word Count: 272

TEXT:

... learn something new every day. Steve from Canton wrote us with a question about Fast **Lane** devices at the Route 128 Amtrak/commuter rail station in Westwood - something we didn't...

...exit from the lot, the gate arm automatically went up in response to his

Search Report from Ginger R. DeMille

Fast Lane transponder, before he inserted his receipt ticket. "This is great - in the future," he wrote. "However, I have now paid twice, i.e., once at the register and once via Fast Lane. Please advise if this is the situation. . . . How do I get a refund and prevent it in the future?" Fast Lane has been in place for more than a year at the Route 128 station, said Massachusetts Turnpike Authority spokeswoman Rita Strazzeri. (The station is the only location, besides MassPike toll booths and some out-state-roads, that has Fast Lane capability, she said, although the authority "is currently talking to private companies for possible future use.") Customers who need a Fast Lane refund should write to the Pike's Office of Patron Services (668 South Avenue, Weston...

...copy of their parking receipt (if they have it) and a note with the Fast Lane information. Officials will check the driver's Fast Lane activity and verify the transaction. If all checks out, Strazzeri said, the account will be...

2/3,K/72 (Item 2 from file: 631)  
DIALOG(R) File 631:Boston Globe  
(c) 2003 Boston Globe. All rts. reserv.

10762039

**WHEN IT RAINS IT POURS ON PROVIDENCE COMMUTER RAIL LINE**

Boston Globe (BG) - Monday, September 18, 2000  
By: THOMAS C. PALMER JR., Globe Staff  
Edition: THIRD Section: Metro/Region Page: B2  
Word Count: 1,585

...the existing bridge."

**Pit stops**

After last week's report criticizing the Turnpike's Fast Lane accounting system, we checked our toll charges for the last month, and we were correctly charged. . . . There are two public hearings on the federal government's transportation review of the Boston Metropolitan Planning Organization...

... Town Hall, and Thursday the same hours at the Dudley Branch Library in Roxbury. . . . The lane markings on the southbound Southeast Expressway near Albany Street have faded away, and it's...

... this denial of transit access to the waterfront is needed or justified" . . . That exact-change lane light and alarm outbound on the Turnpike to Cambridge and Allston are still letting people...

2/3,K/73 (Item 3 from file: 631)  
DIALOG(R) File 631:Boston Globe  
(c) 2003 Boston Globe. All rts. reserv.

10254053

**N.H. OFFERS MANY WAYS TO AVOID TOLLBOOTH 'TRAP'**

Boston Globe (BG) - SATURDAY, September 11, 1999  
Edition: Third Section: Letters Page: A14  
Word Count: 431

...that lead up to the lakes and mountains.

For the most part we have placed toll booths about every 10 miles

Search Report from Ginger R. DeMille

along our toll roads. We charge tolls only on two turnpikes, leaving all of I-89 from Concord to White River Junction and I-93 from Concord to St. Johnsbury toll-free. Most toll booths have exact-change lanes, although sometimes they may close for a few hours to allow a rush of oncoming...

2/3,K/74 (Item 4 from file: 631)  
DIALOG(R)File 631:Boston Globe  
(c) 2003 Boston Globe. All rts. reserv.

08187094

**TOLL COLLECTION FOR NEW HARBOR TUNNEL UNCERTAIN**

Boston Globe (BG) - WEDNESDAY, July 5, 1995

By: Thomas C. Palmer Jr., Globe Staff

Edition: THIRD Section: METRO Page: 26

Word Count: 941

...engineer for the Big Dig, said that the current plan still calls for all four lanes going into the new tunnel to have automatic devices. Each vehicle would be electronically identified by the tag it carries, and its account charged for each use.

Two of the four lanes would also have manual toll collection systems, operated by Turnpike personnel, to accommodate vehicles not electronically equipped.

Turnpike officials, who...

2/3,K/75 (Item 1 from file: 634)  
DIALOG(R)File 634:San Jose Mercury  
(c) 2003 San Jose Mercury News. All rts. reserv.

10222087

**FEE LANES ON HWY. 1 APPROVED HOT IDEA: SOLO DRIVERS WOULD PAY TO RIDE AMONG CARPOOLS AND BUSES.**

San Jose Mercury News (SJ) - Tuesday, August 10, 1999

By: JOHN WOOLFOLK, Mercury News Staff Writer

Edition: Santa Cruz/Monterey Section: Local Page: 1B

Word Count: 908

... along the 91 route. Since last year, however, carpools no longer ride free and are charged a discounted toll.

Two other HOT lanes opened last year, one on a stretch of Interstate 15 in San Diego, and the...

2/3,K/76 (Item 1 from file: 652)  
DIALOG(R)File 652:US Patents Fulltext  
(c) format only 2002.The Dialog Corp. All rts. reserv.

00797947

Utility

BOARD GAME APPARATUS

PATENT NO.: 3,924,858

ISSUED: December 09, 1975 (19751209)

INVENTOR(s): Dittrich, Siegfried, Bergstr. 28, 896 Kempten, DE (Germany)

Search Report from Ginger R. DeMille

Jackel, Kurt, Langestr. 38a, 293 Varel, DE (Germany)  
[Assignee Code(s): 68000]

APPL. NO.: 5-391,154  
FILED: August 23, 1973 (19730823)  
FULL TEXT: 391 lines

...make possible a friction-free traffic in both driving directions while a driving track or **lane** for overtaking is always kept free. In this way, it will not be necessary to...

... further development of the invention is characterized in that the play tracks and/or the **range** thereof comprises cutouts, and that below these cutouts there is provided a mechanism which changes...

... main street 6 and/or also as non-illustrated additional auxiliary streets such as one **lane** streets, in this instance for purposes of simplicity all main streets 6-8 are provided with three **lanes** each. The arrangement of these main streets 6-8 is preferably such that the one... which are designed as auxiliary streets are respectively provided with one driving track or driving **lane** only which preferably has seven additional fields 16. One of these fields which faces the traffic circle 9 leads into a traffic **lane** or track of the traffic circle. Independently therefrom, the play tracks 2 leading into the...fast streets 8 may at the likewise numbered fields include various stations 30 such as **toll** stations, filling stations, city halls and others. The utilized traffic signs 22 may correspond to...

... another street. The player must with his play figures always take the right-hand driving **lane** when viewing in driving direction. Only for purposes of overtaking and only during the actual overtaking process will the play figure be allowed to use the central **lane**. The left driving **lane** must not be used inasmuch as it serves as right **lane** for the traffic coming from the opposite direction. When a player reaches a field which... permissible maximum speed, driving at a speed below a marked minimum speed, taking the wrong **lane** at crossings and feeding-in **lanes** to other streets.

If a player wants to circumvent a punishment, he has the possibility...

...the penalty or fine. If he answers incorrectly or not at all, he has to **pay twice** the penalty fine normally due to be paid. Each player is able to secure for himself greater amounts of play money by driving to the bank, post and **toll** stations. Moreover, when reaching a certain field as for instance 50 or 75, considered lucky...

...and auxiliary streets, the play tracks may indicate other routes such as race tracks, changing **lanes**, etc. Decisive in this connection is that the player in addition to entertainment also acquires...

2/3,K/77 (Item 2 from file: 652)

DIALOG(R)File 652:US Patents Fulltext

(c) format only 2002 The Dialog Corp. All rts. reserv.

00593961

Utility  
TOLL BOOTH SYSTEM

PATENT NO.: 3,686,627

ISSUED: August 22, 1972 (19720822)

INVENTOR(s): Rubenstein, Louis D., 2911 Barnes Ave., Bronx, NY (New York),

3

Search Report from Ginger R. DeMille

US (United States of America), 10467  
APPL. NO.: 5-76,821  
FILED: September 30, 1970 (19700930)  
FULL TEXT: 342 lines

ABSTRACT

A series of two consecutive toll booths along a single lane of access and exit, with toll -due sign, the toll -receiving receptacle, the toll -booth treadle, information and direction signs, thank you signs, alarms and the like being for each booth coordinated automatically with the other booth, permitting two consecutive automobiles to be paying tolls at the same time, the two automobiles to leave at the same time, and two other automobiles next in line to move to the respective vacant toll booths, with the sign at the first vacant toll booth directing the first other automobile to proceed to and pay ahead at the second toll booth and thereafter a sign at the first toll booth directing the second other automobile to pay here the toll at the first toll booth, with a sign at the second toll booth directing the first other automobile to pay here at the second toll booth, with a thank you sign at each toll booth activatable and the pay- toll signs deactivatable by payment of the toll, and with each second automobile being able to proceed past the second toll booth without setting off an alarm when already the second automobile has paid its toll at the first toll booth, a first automobile also being permitted to erroneously pay toll at the first toll booth and to thereafter proceed past the second toll booth without setting off an alarm, the mechanisms of the automatically coordinated toll booths being automatically reset for repeat operation, in this manner permitting each available single lane to serve to collect tolls from a plurality of customers simultaneously to thereby speed-up toll collection per highway lane and to thereby reduce the possibility of traffic jams during rush hours and/or on...  
?



Search Report from Ginger R. DeMille

? show files

File 348:EUROPEAN PATENTS 1978-2003/Aug W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030814,UT=20030807

(c) 2003 WIPO/Univentio

? ds

Set	Items	Description
S1	25	TOLL()(ZONE? ? OR LANE? ?)
S2	292932	ZONE? ? OR LANE? ?
S3	713237	EXIT? OR LEAVE? OR LEAVING? OR SWERV? OR "MOVE()FROM" OR R-EMOVE?
S4	10161	REENTER? OR RE()(ENTER? OR ENTRY? OR ENTRANCE) OR REENTRANCE?
S5	879826	ENTER? OR ENTRANCE? OR RETURN?
S6	755	(CHARGE? OR CHARGING? OR PAY?)(5N)(TOLL OR TOLLS)
S7	1	(S1 OR S2)(3S)(S3 OR S5)(3S)S4(3S)S6
S8	78	(S1 OR S2)(3S)(S3 OR S5)(3S)S6
S9	78	S7 OR S8
S10	10	S9 AND IC=G06F
S11	0	S10 AND IC=G07C
S12	73	(S1 OR S2)(2S)(S3 OR S5)(2S)S6
S13	41	(S1 OR S2)(S)(S3 OR S5)(S)S6
S14	15	(S1 OR S2)(6N)(S3 OR S5)(S)S6

? tl4/5,k/all

14/5,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01469713

POSITION RECOGNIZING DEVICE AND POSITION RECOGNIZING METHOD, AND ACCOUNTING  
DEVICE AND ACCOUNTING METHOD  
POSITIONSERKENNUNGSEINRICHTUNG UND POSITIONSERKENNUNGSVERFAHREN UND  
VERWALTUNGSEINRICHTUNG UND VERWALTUNGSVERFAHREN  
DISPOSITIF ET PROCEDE DE RECONNAISSANCE DE POSITION, ET DISPOSITIF ET  
PROCEDE D'ESTIMATION

PATENT ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203744), 1, Toyota-cho, Toyota-shi,  
Aichi 471-8571, (JP), (Applicant designated States: all)

Aisin Seiki Kabushiki Kaisha, (203727), 1, Asahi-cho 2-chome, Kariya-shi,  
Aichi-ken 448-8650, (JP), (Applicant designated States: all)

INVENTOR:

KAKIHARA, Masaki, Toyota Jidosha K.K., 1, Toyota-cho, Toyota-shi, Aichi  
471-8571, (JP)

AOKI, Yasuyuki, 31-157, Matahachiyama, Okehazama, Arimatsu-cho, Midori-ku  
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LEGAL REPRESENTATIVE:

Winter, Brandl, Furniss, Hubner, Ross, Kaiser, Polte Partnerschaft  
(100051), Patent- und Rechtsanwaltskanzlei Alois-Steinecker-Strasse 22,  
85354 Freising, (DE)

PATENT (CC, No, Kind, Date): EP 1326212 A1 030709 (Basic)  
WO 2002029728 020411

APPLICATION (CC, No, Date): EP 2001955677 010810; WO 2001JP6930 010810

PRIORITY (CC, No, Date): JP 2000300034 000929

DESIGNATED STATES: DE; DK; ES; FR; GB; IT; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-015/00; G08G-001/0969; G01S-005/14;  
G01C-021/00

ABSTRACT EP 1326212 A1

120-Aug-0310:59 AM

Search Report from Ginger R. DeMille

A position recognition device for deciding a zone where a moving object takes a position. The device comprises: a travel distance decider for deciding whether or not the moving object has traveled a predetermined distance corresponding to the detection error of the position of the moving object; and a zone decider for deciding the zone where the moving object takes a position, if the travel distance decider decides that the moving object has traveled the predetermined distance.

According to the invention, therefore, "the decision of the zone where the moving object exists" is not made, in case the position of the moving object cannot be precisely detected. Therefore, the precision in the decision of the zone where the moving object exists is improved, and it is unnecessary to set a buffer zone that "the decision of the zone where the moving object exists is not made if the moving object takes a position in the neighborhood" as the reference for deciding the existing zone of the moving object. Without the necessity for setting the buffer zone, therefore, it is possible to reduce the quantities of data and operations and to suppress the rise in the cost for manufacturing the position recognition device. Within the travel distance for a possible error in the detection of the position of the moving object, moreover, it is unnecessary to detect the position of the moving object. Therefore, it is sufficient to acquire discrete pieces of positional information so as to be the position recognition device. It is, therefore, possible to promote the reduction in the size of the position recognition device and to suppress the rise in the cost for manufacturing the position recognition device.

ABSTRACT WORD COUNT: 282

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 021023 A1 International application. (Art. 158(1))

Application: 021023 A1 International application entering European phase

Application: 030709 A1 Published application with search report

Examination: 030709 A1 Date of request for examination: 20030428

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200328	1985
SPEC A	(English)	200328	12750
Total word count - document A			14735
Total word count - document B			0
Total word count - documents A + B			14735

...SPECIFICATION the accounting zone A1 (at Step S7). Subsequent to this Step S7, the process to **charge** the **toll**, that is, the mileage accounting process is done (at Step S8) on the basis of...

...point P2 is set as the positioning point P1 (at Step S3), the routine is **returned**.

On the other hand, if the **zone** borderline A3 resides in the straight route from the positioning point P1 to the positioning...

14/5,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01340683

Mobile radio communication for an automatic toll collection system  
Mobilfunksystem fur ein automatisches Mautgebuhreneinzugssystem

220-Aug-0310:59 AM

**Systeme de communication radio mobile pour un systeme de perception de  
peages automatique**

**PATENT ASSIGNEE:**

Denso Corporation, (211494), 1-1, Showa-cho, Kariya-city, Aichi-pref.,  
448-8661, (JP), (Applicant designated States: all)

**INVENTOR:**

Konishi, Yoshimune, c/o DENSO CORPORATION, 1-1 Showa-cho, Kariya-city,  
Aichi-pref., 448-8661, (JP)

Tokitsu, Naoki, c/o DENSO CORPORATION, 1-1 Showa-cho, Kariya-city,  
Aichi-pref., 448-8661, (JP)

Yamada, Wako, c/o DENSO CORPORATION, 1-1 Showa-cho, Kariya-city,  
Aichi-pref., 448-8661, (JP)

**LEGAL REPRESENTATIVE:**

Winter, Brandl, Furniss, Hubner, Ross, Kaiser, Polte Partnerschaft  
(100051), Patent- und Rechtsanwaltskanzlei Alois-Steinecker-Strasse 22,  
85354 Freising, (DE)

PATENT (CC, No, Kind, Date): EP 1146482 A2 011017 (Basic)

EP 1146482 A3 020206

APPLICATION (CC, No, Date): EP 2001105900 010309;

PRIORITY (CC, No, Date): JP 200077828 000315

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-015/00

**ABSTRACT EP 1146482 A2**

A mobile radio communication device (1) for an automatic toll  
collection system executes toll charging processing and travel guide. It  
communicates with road-side communication devices (3) at an entrance gate  
(G1) and an exit gate (G2) in a toll charge area to receive map data. It  
also receives present position information from a GPS receiver circuit  
(22). It executes processing necessary for toll charging based on the  
received map data and present position information. It also provides a  
travel guide in the toll charge area.

ABSTRACT WORD COUNT: 86

**NOTE:**

Figure number on first page: 1

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Application: 011017 A2 Published application without search report

Search Report: 020206 A3 Separate publication of the search report

Examination: 020619 A2 Date of request for examination: 20020412

Examination: 030625 A2 Date of dispatch of the first examination  
report: 20030512

LANGUAGE (Publication, Procedural, Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200142	1102
SPEC A	(English)	200142	3066
Total word count - document A			4168
Total word count - document B			0
Total word count - documents A + B			4168

...SPECIFICATION side communication device 3 at step 102 to transmit and  
receive information data necessary for **toll charging** processing, upon  
determination of **entrance** into the communication **zone** 4.

Upon **entering** the communication **zone** 4 of the **entrance** gate G1,  
the microcomputer 14 executes communication processing of information  
data necessary for the **toll charging** processing at the entrance gate  
G1. For instance, the in-vehicle radio communication device 1...

...stores the received data in its memory 17a. It further receives map data

Search Report from Ginger R. DeMille

of the **toll charge** area and stores the received map data in the memory 17b.

The microcomputer 14 drives...thereafter, the microcomputer 14 determines at step 101 in Fig. 3 that the vehicle has **entered** a communication **zone** 4 of the **exit** gate G2. The microcomputer 14 executes at step 102 communication processing with the road-side...

...3 at the exit gate G2 to transmit and receive information data necessary for the **toll charging** processing. In this instance, **toll charge** communication processing is executed at the **exit** gate G2, because the communication **zone** 4 is the communication **zone** of the **exit** gate G2. That is, the accumulated travel distance and the travel distance in the special...

...at step 109 are transmitted to the road-side communication device 3 so that corresponding **toll charge** amount and the like are received in response from the road-side communication device 3...

...microcomputer 14 writes into the IC card through the IC card I/F 16 the **toll charge** amount corresponding to the travel distance in the **toll charge** area and the balance to be maintained in the IC card at step 106, as a result of **toll charging** processing executed by way of the communication with the road-side communication device 3. The...

...processing of the travel guide. Instead, it checks at step 101 whether the vehicle has **entered** a communication **zone** 4.

In addition to the above processing of the main routine, the microcomputer 14 executes...

14/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00913329

NAVIGATION SYSTEM FOR VEHICLES

FAHRZEUGNAVIGATIONSSYSTEM

SYSTEME DE NAVIGATION POUR VEHICULES

PATENT ASSIGNEE:

Toyota Jidosha Kabushiki Kaisha, (203745), 1, Toyota-cho, Toyota-shi,  
Aichi-ken 471-71, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

NOJIMA, Akihiko, Toyota Jidosha KK, 1, Toyota-cho, Toyota-shi, Aichi-ken  
471-71, (JP)

LEGAL REPRESENTATIVE:

Kugele, Bernhard (51541), NOVAPAT INTERNATIONAL SA, 9, Rue du Valais,  
1202 Geneve, (CH)

PATENT (CC, No, Kind, Date): EP 905481 A1 990331 (Basic)

WO 9747948 971218

APPLICATION (CC, No, Date): EP 97908501 970325; WO 97JP977 970325

PRIORITY (CC, No, Date): JP 96153533 960614

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G01C-021/00; G07B-015/00; G08G-001/0969;

G09B-029/10;

CITED PATENTS (WO A): Y Y Y

ABSTRACT EP 905481 A1

When a vehicle passes a toll gate, a toll communication machine (20) communicates with the toll gate (24) and makes automatic toll payment. When the vehicle comes close to the toll gate (24), a navigation ECU (10) gives information on a lane on which automatic payment is to be made and

Search Report from Ginger R. DeMille

a direction in which the vehicle is to advance thereafter through a  
loudspeaker (18).  
ABSTRACT WORD COUNT: 66

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 010418 A1 Date of dispatch of the first examination  
report: 20010307  
Application: 980401 A1 International application (Art. 158(1))  
Refusal: 030102 A1 Date European patent application was refused:  
20020809  
Application: 990331 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 990331 A1 Date of filing of request for examination:  
981230  
Search Report: 990908 A1 Date of drawing up and dispatch of  
supplementary:search report 19990726

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9913	271
SPEC A	(English)	9913	3898
Total word count - document A			4169
Total word count - document B			0
Total word count - documents A + B			4169

...SPECIFICATION interchange for exiting from the toll road are guided, and  
a possibility of the automatic toll payment is guide (S42). For  
example, as shown in Fig. 9, a voice message such as "Toyota interchange  
junction. Automatic toll payment is possible." is output. Then, it is  
confirmed whether or not the car is actually running on an exit lane  
(S43), and when the car is running on the exit lane, it is judged  
whether or not the car can carry out an automatic toll payment and  
whether the balance of the debit account or the prepaid card is  
sufficient (S44...

14/5,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00850332

Toll collection system capable of properly collecting a toll from a user  
without requiring any special equipment to be mounted in a vehicle  
Mautgebuhreneinzugssystem, das fahig ist, eine Mautgebühr ordnungsgemass  
ohne irgendeine spezielle im Fahrzeug eingebaute Vorrichtung von einem  
Benutzer einzuziehen

Systeme de perception de droits de peage capable de percevoir correctement  
une taxe d'un utilisateur sans necessiter aucun equipment particulier  
monte dans un vehicule

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),  
(Applicant designated States: all)

INVENTOR:

Fujimoto, Koichiro, NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo  
, (JP)

LEGAL REPRESENTATIVE:

Betten & Resch (101031), Reichenbachstrasse 19, 80469 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 784297 A2 970716 (Basic)  
EP 784297 A3 000112

APPLICATION (CC, No, Date): EP 97100354 970110;

Search Report from Ginger R. DeMille

PRIORITY (CC, No, Date): JP 962918 960111  
DESIGNATED STATES: DE; ES; FR; GB; IT; PT; SE  
INTERNATIONAL PATENT CLASS: G07B-015/00  
NOTE:

Figure number on first page: 1  
LEGAL STATUS (Type, Pub Date, Kind, Text):  
Examination: 000628 A2 Date of request for examination: 20000505  
Search Report: 20000112 A3 Separate publication of the search report  
Withdrawal: 020703 A2 Date application deemed withdrawn: 20011227  
Examination: 010926 A2 Date of dispatch of the first examination  
report: 20010813  
Application: 970716 A2 Published application (A1with Search Report  
;A2without Search Report)

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	2019
SPEC A	(English)	EPAB97	5417
Total word count - document A			7436
Total word count - document B			0
Total word count - documents A + B			7436

...SPECIFICATION the vehicle's class detector for detecting the vehicle's class of the automotive vehicle **entering** the **toll lane** . Each tollgate is equipped with the processing unit supplied from the antenna with the radio...

...including the passage vehicle information and the tollgate information from every tollgate to prepare the **toll charge** data.

Since the mobile terminal for mobile communication is used as the data transmission/reception...

...the vehicle's class detector for detecting the vehicle's class of the automotive vehicle **entering** the **toll lane** is used in addition. It is therefore possible to properly **charge** the **toll** to the user of the toll road.

While this invention has thus far been described...

14/5,K/5 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00794014

Road/vehicle communication method and device

Verfahren und Vorrichtung zur Kommunikation Strasse/Fahrzeug

Procede et dispositif de communication route/vehicule

PATENT ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203741), 1, Toyota-cho Toyota-shi, Aichi-ken, (JP), (Proprietor designated states: all)

INVENTOR:

Hayashi, Hironao, c/o Toyota Jidosha K.K., 1, Toyota-cho, Toyota-shi, Aichi-ken, (JP)

LEGAL REPRESENTATIVE:

Grams, Klaus Dieter, Dipl.-Ing. et al (4423), Patentanwaltsburo

Tiedtke-Bühling-Kinne & Partner Bavariaring 4-6, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 740274 A2 961030 (Basic)

EP 740274 A3 990414

EP 740274 B1 020529

APPLICATION (CC, No, Date): EP 96104899 960327;

PRIORITY (CC, No, Date): JP 95106754 950428

620-Aug-0310:59 AM

Search Report from Ginger R. DeMille

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07B-015/00

CITED PATENTS (EP B): EP 401192 A; EP 577027 A; EP 632420 A

CITED REFERENCES (EP B):

PATENT ABSTRACTS OF JAPAN vol. 018, no. 631 (P-1836), 30 November 1994 &  
JP 06 243316 A (MITSUBISHI HEAVY IND LTD), 2 September 1994 & EP 0 616  
302 A ((MITSUBISHI HEAVY IND LTD) 21 September 1994;

ABSTRACT EP 740274 A2

A road/vehicle communication method for communication between a plurality of road devices, which are provided with a plurality of road antenna devices at respective gates, and a vehicle communication device, which is mounted to a vehicle and transmits and receives information to and from the plurality of road devices by radio waves, includes the steps of: when the vehicle passes through a first gate, the vehicle communication device receiving gate information which relates to the first gate and which is transmitted from a road antenna device of the first gate, and the vehicle communication device transmitting the received gate information at a second gate; the second gate receiving gate information from a plurality of vehicle communication devices, and computing a communication probability for each antenna device of the first gate when a number of received gate information corresponding to the first gate has reached a predetermined number; and comparing, for each road antenna device, the communication probability with a predetermined reference value, and detecting, as a malfunctioning road antenna device, a road antenna device for which a difference between the communication probability and the predetermined reference value exceeds a predetermined value. Accordingly, at the second gate, a malfunctioning road antenna device can be detected among the road antenna devices of the first gate, and measures can be taken with respect to the malfunctioning road antenna device. (see image in original document)

ABSTRACT WORD COUNT: 266

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 010214 A2 Date of dispatch of the first examination  
report: 20010103  
Application: 961030 A2 Published application (A1with Search Report  
;A2without Search Report)  
Oppn None: 030521 B1 No opposition filed: 20030303  
Grant: 020529 B1 Granted patent  
Examination: 961030 A2 Date of filing of request for examination:  
960327  
Search Report: 990414 A3 Separate publication of the European or  
International search report

LANGUAGE (Publication,Procedural,Application): English; English; English,

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	844
CLAIMS B	(English)	200222	913
CLAIMS B	(German)	200222	812
CLAIMS B	(French)	200222	1109
SPEC A	(English)	EPAB96	8825
SPEC B	(English)	200222	8774
Total word count - document A			9671
Total word count - document B			11608
Total word count - documents A + B			21279

...SPECIFICATION transmits to vehicles traveling in the lane 302 advance

Search Report from Ginger R. DeMille

notice information informing the vehicles that **toll payment** and receipt is forthcoming. In the same way, the advance notice antenna 320 is positioned...

...322 is positioned above the lane 306 and transmits information to vehicles traveling in the **lane** 306.

An **exit** gate control center 330 is located at the plot of ground 314. The advance notice...

...SPECIFICATION transmits to vehicles traveling in the lane 302 advance notice information informing the vehicles that **toll payment** and receipt is forthcoming. In the same way, the advance notice antenna 320 is positioned...

...322 is positioned above the lane 306 and transmits information to vehicles traveling in the **lane** 306.

An **exit** gate control center 330 is located at the plot of ground 314. The advance notice...

14/5,K/6 (Item 6 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00760796

**Transponder detection system and method**

**Verfahren und Vorrichtung zum Entdecken von Antwortgeraten**

**Systeme et methode pour la detection de repondeurs**

PATENT ASSIGNEE:

Raytheon Company, (2516152), PO Box 902, 2000 E. El Segundo Blvd., El Segundo, California 90245, (US), (Proprietor designated states: all)

INVENTOR:

O'Connor, Roger J., 20 Golfview Drive, Dove Canyon, California 92679, (US)

Knittle, Robert C., 1511 North Sycamore Drive, Fullerton, California, (US)

LEGAL REPRESENTATIVE:

Jackson, Richard Eric et al (62281), Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 715185 A2 960605 (Basic)  
EP 715185 A3 980415  
EP 715185 B1 021113

APPLICATION (CC, No, Date): EP 95308601 951129;

PRIORITY (CC, No, Date): US 346730 941130

DESIGNATED STATES: DE; ES; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: G01S-013/87; G07B-015/00

CITED PATENTS (EP B): EP 580139 A; GB 2253107 A

ABSTRACT EP 715185 A2

A transponder detection system (50) for detecting the presence at a detection area (22) of a vehicle (100) on which the transponder (3) is mounted. Two antenna arrays (32, 34) are located on opposite sides of the detection area (22), and have their boresights (B) directed to the detection area. For each array, a sum and difference signal of signals received from the transponder are measured. The sum channel signal is used to establish whether a transmission has occurred, and the difference channel signal is used to isolate any transponder that is at the detection area. (see image in original document)

ABSTRACT WORD COUNT: 119

NOTE:



Search Report from Ginger R. DeMille

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001129 A2 Date of dispatch of the first examination  
report: 20001013  
Application: 960605 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Grant: 021113 B1 Granted patent  
Search Report: 980415 A3 Separate publication of the European or  
International search report  
Change: 980415 A2 Obligatory supplementary classification  
(change)  
\*Assignee: 981007 A2 Applicant (transfer of rights) (change):  
Raytheon Company (2516152) PO Box 902, 2000 El  
Segundo Blvd. El Segundo, California 90245 (US)  
(applicant designated states:  
DE;ES;FR;GB;IT;SE)  
\*Assignee: 981007 A2 Previous applicant in case of transfer of  
rights (change): Hughes Aircraft Company  
(214911) 7200 Hughes Terrace, P.O. Box 80028  
Los Angeles, California 90080-0028 (US)  
(applicant designated states:  
DE;ES;FR;GB;IT;SE)  
Examination: 981118 A2 Date of filing of request for examination:  
980918

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	647
CLAIMS B	(English)	200246	452
CLAIMS B	(German)	200246	466
CLAIMS B	(French)	200246	545
SPEC A	(English)	EPAB96	5915
SPEC B	(English)	200246	5974
Total word count - document A			6562
Total word count - document B			7437
Total word count - documents A + B			13999

...SPECIFICATION at the detection zone, and a toll ticket dispenser for dispensing toll tickets to vehicles **entering** the detection **zone** . The transponder detection system detects the presence of a transponder- ... transponder-equipped for suppressing the operation of the ticket dispenser and for electronically issuing a **toll charge** to the transponder-equipped vehicle. Each transponder-equipped vehicle is assigned a unique code, wherein...

...SPECIFICATION at the detection zone, and a toll ticket dispenser for dispensing toll tickets to vehicles **entering** the detection **zone** . The transponder detection system detects the presence of a transponder-equipped vehicle at the detection...

...transponder-equipped for suppressing the operation of the ticket dispenser and for electronically issuing a **toll charge** to the transponder-equipped vehicle. Each transponder-equipped vehicle is assigned a unique code, wherein...

14/5,K/7 (Item 7 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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Search Report from Ginger R. DeMille

00730566

Automatic toll adjusting system, and storage medium with a radio communication function, frequency converting apparatus, writing apparatus, settling apparatus,

Automatisches Mauteinstellsystem und Speichermedium mit Funkverbindungsfunction; dazugehörige Apparate zur Frequenzumsetzung, zum Schreiben, zur Abrechnung, zum

Système de réglage de peage automatique et élément de stockage avec un fonction de communication par radio, appareils associés de conversion de fréquence, d'ecr

PATENT ASSIGNEE:

FUJITSU LIMITED, (211460), 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Hoshino, Masao, c/o Fujitsu Ltd., 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, (JP)

Kinoshita, Tsuneo, c/o Fujitsu Ltd., 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, (JP)

Seita, Sigenari, c/o Fujitsu Ltd., 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, (JP)

LEGAL REPRESENTATIVE:

Joly, Jean-Jacques et al (39741), Cabinet Beau de Lomenie 158, rue de l'Universite, F-75340 Paris Cedex 07, (FR)

PATENT (CC, No, Kind, Date): EP 689169 A2 951227 (Basic)

EP 689169 A3 990602

APPLICATION (CC, No, Date): EP 95401336 950609;

PRIORITY (CC, No, Date): JP 94139104 940621

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07B-015/00;

ABSTRACT EP 689169 A2

An automatic toll adjusting system enables a user to voluntarily select a toll payment system with use of a storage medium (1) carried by each user and storing adjustment information necessary for toll adjusting therein. Information is exchanged with the storage medium (1) in radio communication at a first predetermined frequency at a toll adjusting gate employing a first toll payment system to automatically adjust a toll in the first toll payment system. At a toll adjusting gate employing a second toll payment system, information is exchanged with the storage medium (1) in radio communication at a second predetermined frequency to automatically adjust a toll in the second toll payment system. This system is applicable to a system for automatically adjusting a fee or charge such as a toll for a toll road. (see image in original document)

ABSTRACT WORD COUNT: 140

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 20000119 A2 Date of request for examination: 19991118

Application: 951227 A2 Published application (A1with Search Report ;A2without Search Report)

Search Report: 990602 A3 Separate publication of the European or International search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	9565
SPEC A	(English)	EPAB96	40213
Total word count - document A			49778
Total word count - document B			0
Total word count - documents A + B			49778

...SPECIFICATION the embodiment;

FIG. 28 is an illustration of communication data in a vehicle type recognizing **zone** at the **exit** toll adjusting gate in a **toll post-payment** process according to the embodiment;

FIG. 29 is an illustration of communication data in a toll settling **zone** at the **exit** toll adjusting gate in the **toll post-payment** process according to the embodiment;

FIG. 30 is an illustration of communication data in an image **zone** at the **exit** toll adjusting gate in the **toll post-payment** process according to the embodiment;

FIG. 31 is an illustration of communication data in a vehicle type recognizing **zone** at an **entrance / exit** toll adjusting gate in the **toll post-payment** process according to the embodiment;

FIG. 32 is an illustration of communication data in an toll settling **zone** at the **entrance / exit** toll adjusting gate in the **post-payment** process according to the embodiment;

FIG. 33 is an illustration of data communication in an image **zone** at the **entrance / exit** toll adjusting gate in the **toll post-payment** process according to the embodiment;

FIG. 34 shows an example of inquiry for all data...the vehicle 3 in each of the zones, and a process in each of the **zones** is performed.

The **entrance** toll adjusting gate employing the **toll post-payment** system as the first or the second **toll payment** system is divided into two zones which are a passage recognizing zone for writing the...a short time, it is possible to manage results of the processes in the respective **zones** by the vehicles.

At the **entrance** toll adjusting gate in the **toll post-payment** system, there are provided two zones, which are the passage recognizing zone and the image...of a number of the vehicle 30 when the vehicle 30 passes through the image **zone** 105.

In above-described **exit** toll adjusting gate 34B in the **toll post-payment** system or the entrance/exit **toll** adjusting gate 35B in the **toll post-payment** system of this embodiment, the vehicle matching unit 111 manages a result of the process...

...10, it is sufficient for the vehicle 30 to simply pass through the passage recognizing **zone** 104 without stopping at the **entrance** toll adjusting gate 33B. Similarly, in order to automatically adjust a **toll** in the **toll post-payment** system, it is sufficient for the vehicle 30 to simply pass through the three zones...certainty.

A type of the vehicle 30 is automatically recognized in the vehicle type recognizing **zone** 112 at the **exit** toll adjusting gate 34B or the entrance/exit toll adjusting gate 35B of this embodiment...

...unrightful use such as data falsification with certainty.

(1) Description of Operation Upon Selecting the **Toll Pre-Payment** System of This Embodiment

Referring now to FIGS. 22 through 25, data to be exchanged...

...CLAIMS toll adjusting system according to claim 3, wherein said entrance toll adjusting gate employing the **toll post-payment** as the first **toll payment** system or the second **toll payment** system is divided into two zones which are a passage recognizing zone for writing use...

...3) passing through said entrance toll adjusting gate by said writing apparatus (4) for said **entrance** toll adjusting gate and an image **zone** for photographing an unrightful vehicle by a photographing apparatus.

...

14/5,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00598916

**Secure toll collection system for moving vehicles**

**Sicheres Mautgebuhreneinzugssystem fur sich bewegende Fahrzeuge**

**Systeme de securite de perception de droits de peage pour vehicules en mouvement**

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Claus, David Michael, 7660 Brookview Lane, Indianapolis, Indiana 46250, (US)

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Taylor, Marjorie Esther, 1049 High Court, Carmel, Indiana 46032, (US)

LEGAL REPRESENTATIVE:

Buckley, Christopher Simon Thirsk et al (28912), Lucent Technologies (UK) Ltd, 5 Mornington Road, Woodford Green, Essex IG8 0TU, (GB)

PATENT (CC, No, Kind, Date): EP 577328 A2 940105 (Basic)

EP 577328 A3 951025

EP 577328 B1 980923

APPLICATION (CC, No, Date): EP 93304925 930624;

PRIORITY (CC, No, Date): US 908195 920702

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G07B-015/00;

ABSTRACT EP 577328 A2

A secure toll payment system is realized by transmitting a changeable encryption code from roadside equipment (1,2,310,320,330) at a toll plaza to a moving vehicle. Thereafter, the moving vehicle uses it to encrypt payment information according to the Data Encryption Standard algorithm. The moving vehicle transmits the encrypted payment information to the roadside equipment which performs a credit or debit transaction. Because the encryption code changes from time to time, so, too, does the nature of the signal which is transmitted by the vehicle; fraud, based on electronic eavesdropping, is substantially eliminated. The encryption code comprises an 8-bit random number and a time/date number. Vehicle-mounted apparatus includes a transponder unit and a portable smart card which inserts therein. The roadside equipment includes a pair of spaced-apart antennas (1,2) that are sequentially located along an express payment lane at a toll plaza, and a computer (310) which controls them. (see image in original document)

ABSTRACT WORD COUNT: 155

LEGAL STATUS (Type, Pub Date, Kind, Text):

Revocation: 000920 B1 Date of Revocation of European Patent: 20000506

Application: 940105 A2 Published application (Alwith Search Report ;A2without Search Report)

Change: 940223 A2 Representative (change)

\*Assignee: 940622 A2 Applicant (name, address) (change)

\*Assignee: 941005 A2 Applicant (transfer of rights) (change): AT&T Corp. (589370) 32 Avenue of the Americas New York, NY 10013-2412 (US) (applicant designated states: DE;FR;GB;IT)

Search Report: 951025 A3 Separate publication of the European or International search report

Search Report from Ginger R. DeMille

Examination: 960612 A2 Date of filing of request for examination:  
960412  
Examination: 961009 A2 Date of despatch of first examination report:  
960823 .  
Grant: 980923 B1 Granted patent  
Oppn: 990825 B1 Opposition 01/19990623 Opposition filed  
Saab AB CJP (104270) 581 88 Lindkoping SE  
(Representative:)Berglund, Stefan (76401)  
Bjerkens Patentbyrå KB Ostermalmsgatan 58 114  
50 Stockholm (SE)

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9839	603
CLAIMS B	(German)	9839	599
CLAIMS B	(French)	9839	743
SPEC B	(English)	9839	6296
Total word count - document A			0
Total word count - document B			8241
Total word count - documents A + B			8241

...SPECIFICATION 30 which is used by motorists who wish to use cash or tokens in making **toll payments** . Unfortunately, making such **payments** requires that vehicles come to a complete stop, and frequently they must wait until others...

...is used by motorists who are equipped to make electronic payment without stopping. Prior to **entering lane** 20, however, the motorist inserts a payment card into a transponder unit that mounts on...

...booth 41, motorists can purchase debit cards, make cash payment (usually because they have inadvertently **entered** express **lane** 20), or increase the money balance on their existing debit card. A video camera 4...

14/5,K/9 (Item 9 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00423176

Portable type information storing device and information processing device using the same.

Tragbarer Informationsspeicher und zugehörige Vorrichtung zur Informationsverarbeitung.

Dispositif portatif de stockage d'information et dispositif de traitement d'information l'utilisant.

PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku,  
Kawasaki-shi Kanagawa-ken 210, (JP), (applicant designated states:  
DE;FR;GB;IT;NL)

INVENTOR:

Yokota, Yukio, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba,  
1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)

LEGAL REPRESENTATIVE:

Blumbach Weser Bergen Kramer Zwirner Hoffmann Patentanwälte (100371),  
Radeckestrasse 43, W-8000 Munchen 60, (DE)

PATENT (CC, No, Kind, Date): EP 426163 A1 910508 (Basic)

APPLICATION (CC, No, Date): EP 90120926 901031;

PRIORITY (CC, No, Date): JP 89282878 891101

DESIGNATED STATES: DE; FR; GB; IT; NL

Search Report from Ginger R. DeMille

INTERNATIONAL PATENT CLASS: G07C-009/00; G06K-007/10;

CITED PATENTS (EP A): FR 2624677 A; FR 2604808 A; FR 2474204 A; GB 2164466 A

ABSTRACT EP 426163 A1

An electrochromic device is mounted on an IC card (4) as a nonvolatile display unit (4a) and the balance stored in the memory (41) of the IC card (4) is displayed on the nonvolatile display unit (4a). The display content is updated according to the contents of the memory (41) each time the card (4) is used for payment.

ABSTRACT WORD COUNT: 63

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 910508 A1 Published application (A1with Search Report ;A2without Search Report)

Examination: 910508 A1 Date of filing of request for examination: 901031

Withdrawal: 921007 A1 Date on which the European patent application was withdrawn: 920814

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	307
SPEC A	(English)	EPABF1	3886
Total word count - document A			4193
Total word count - document B			0
Total word count - documents A + B			4193

...SPECIFICATION example of the construction of a card treating system (information processing device) such as a **charge** or **toll** collecting system in a toll road to which an IC card having a wireless information ...

...this invention may be applied. That is, a charge collecting machine 2 installed in an **charge** collecting lane 1 of the **toll** road defined by curbs 1a and 1b is used to automatically collect a corresponding amount ...

...IC card (portable type information storing medium) 4 of the driver of a car 3 **entering** the **lane** 1 in a direction indicated by an arrow and then permit the car 3 to...

14/5,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00422485

Automatic toll exaction system for urban and extraurban highways, for bridge and tunnel crossings and for accesses to urban areas and car parks

Automatisches Zollabgabesystem fur stadtische und ausserstadtische Autobahnen, fur Brucken und Tunnel und fur Zugange zu stadtischen Gebieten und Parkplatzen

Systeme de peage automatique pour autoroutes se trouvant en ville et en dehors des villes, pour ponts et tunnels, et pour acces aux zones urbaines et aux parkings

PATENT ASSIGNEE:

AUTOSTRADA CONCESSIONI E COSTRUZIONI AUTOSTRADA S.P.A., (1288920), Via A. Bergamini 50, I-00159 Roma, (IT), (Proprietor designated states: all)

Search Report from Ginger R. DeMille

INVENTOR:

Ceseri, Pierluigi, Via Francesco da Barberino, 23, I-50100 Firenze, (IT)  
LEGAL REPRESENTATIVE:

Modiano, Guido, Dr.-Ing. et al (40782), Modiano & Associati SpA Via  
Meravigli, 16, 20123 Milano, (IT)

PATENT (CC, No, Kind, Date): EP 425961 A2 910508 (Basic)  
EP 425961 A3 911106  
EP 425961 B1 961002  
EP 425961 B2 991006

APPLICATION (CC, No, Date): EP 90120224 901022;

PRIORITY (CC, No, Date): IT 89U22122 891025

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE  
INTERNATIONAL PATENT CLASS: G07B-015/00; G07C-009/00

CITED PATENTS (EP A): US 4303904 A; EP 323326 A; EP 2469 A; FR 2566349 A;  
WO 8904093 A; FR 2620551 A; US 4325146 A; FR 2630562 A

CITED PATENTS (EP B): EP 2469 A; EP 298343 A; EP 323326 A; WO 89/04093 A;  
FR 2566349 A; FR 2620551 A; FR 2630562 A; US 4303904 A; US 4325146 A

CITED REFERENCES (EP A):

PATENT ABSTRACTS OF JAPAN vol. 8, no. 171 (P-293) (1608) 08 August 1984,  
& JP-A-59 066762 (MITSUBISHI) 16 April 1984,

VEHICLE NAVIGATION & INFORMATION SYSTEMS (VNIS'89) September 1989,  
TORONTO, ONTARIO, CANADA pages A31 - A35; DAVIES e.a.: "Automatic  
vehicle identification to support driver information systems";

CITED REFERENCES (EP B):

PATENT ABSTRACTS OF JAPAN vol. 8, no. 171 (P-293) (1608) 08 August 1984, &  
JP-A-59 066762

VEHICLE NAVIGATION & INFORMATION SYSTEMS (VNIS'89) September 1989,  
TORONTO, ONTARIO, CANADA pages A31 - A35; DAVIES e.a. : "Automatic  
vehicle identification to support driver information systems";

ABSTRACT EP 425961 A2

An automatic toll exaction system which comprises an onboard apparatus (5-9) which can be mounted onboard a motor vehicle (1) for the reception and transmission of messages, the handling and storage of the transactions and for interaction with the user, a personal card suitable (2) for activating the onboard apparatus, identifying the user and storing the payment transactions, and a ground-based apparatus (3,4) for ensuring the linkup with the onboard apparatus (5-9) for the exchange of data and messages, for sensing physical parameters suitable for classifying the vehicle (1) and for performing the processing of the data and parameters supplied by the onboard apparatus (5-9) and sensed by the ground-based apparatus (3,4) itself.

ABSTRACT WORD COUNT: 117

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 910508 A2 Published application (A1with Search Report  
;A2without Search Report)

Search Report: 911106 A3 Separate publication of the European or  
International search report

Examination: 920708 A2 Date of filing of request for examination:  
920424

Examination: 940209 A2 Date of despatch of first examination report:  
931223

Grant: 961002 B1 Granted patent

Oppn: 970820 B1 Opposition 01/970614 Robert Bosch GmbH;  
Zentralabteilung Patente Postfach 30 02 20;  
D-70442 Stuttgart; (DE)

Amended: 991006 B2 Amended patent

Amended: 991006 B2 Date of patent maintained as amended: 19991006

LANGUAGE (Publication,Procedural,Application): English; English; English

Search Report from Ginger R. DeMille

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9940	1618
CLAIMS B	(German)	9940	1498
CLAIMS B	(French)	9940	1781
SPEC B	(English)	9940	4206
Total word count - document A			0
Total word count - document B			9103
Total word count - documents A + B			9103

...SPECIFICATION systems (i.e. systems in which there are one or more stations in which the **payment** of the **toll** related to a certain highway segment is performed as a function of the segment itself...

...which correspond to the three areas of approach, presentation and validation, are identified in this **case** as well, **but** the entire transaction is performed in a single station, as will be explained in greater...

...apparatus furthermore comprises a lane processing unit. indicated by 20. which is arranged at each **lane** and is therefore provided at **least** twice, for the entry **lane** and the **exit lane**. Said unit 20 comprises a **lane** computer, a CTV unit which constitutes a classification and unlocking system, a logical unit for...querying message for the awaited vehicle; said message contains the exit data related to the **payment** of the **toll**, such as the amount of the toll, the **exit** station code, the **exit lane** code, the **exit** date and time, the class detected in exit, inclusion in the blacklist and inclusion in the allowance ranges. These data are sent to the onboard apparatus, which stores them, **and** then sends a confirmation toward the buoy. The reception of this **confirmation** on the part of **the** ground-based **apparatus** terminates the transaction. Anomalies in communications cause the activation of the registration plate detection in...

14/5,K/11 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00891686 \*\*Image available\*\*

AN ARRANGEMENT WITH A NUMBER OF UNITS THAT CAN COMMUNICATE WITH EACH OTHER VIA A WIRELESS CONNECTION SYSTEM AND A METHOD FOR USE WITH SUCH A SYSTEM

AGENCEMENT AVEC UN NOMBRE D'UNITES POUVANT COMMUNIQUER ENTRE ELLES VIA UN SYSTEME DE CONNEXION SANS FIL ET PROCEDE DE MISE EN OEUVRE AVEC UN TEL SYSTEME

Patent Applicant/Assignee:

KVASER CONSULTANT AB, Box 4076, S-511 04 Kinna, SE, SE (Residence), SE (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

FREDRIKSSON Lars-Berno, Berggrand 1, S-511 04 Kinna, SE, SE (Residence), SE (Nationality), (Designated only for: US)

Legal Representative:

KARLSSON Berne (agent), P.O. Box 2078, S-137 02 Tungalsta, SE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200225859 A1 20020328 (WO 0225859)

Application: WO 2001SE1827 20010829 (PCT/WO SE0101827)

Priority Application: SE 20003218 20000912; SE 20003219 20000912

Designated States: JP US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR



Search Report from Ginger R. DeMille

Main International Patent Class: H04L-007/00

International Patent Class: H04L-012/28

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11161

English Abstract

An arrangement comprises a number of units that can communicate with each other via at least one wireless connection system for the transmission of messages. The connection system works with first and second reception areas. A time slot system is established in a first reception area, in which system the units have access to the transmission media in question in allocated and sequential time intervals, during which the units are activated for their respective transmissions and receptions using time information executed in the time slot system, which time information refers to one or more reference times utilized in the time slot system. The means for effecting the time slot system and the respective unit concerned which is located outside the reception area can receive the said time information signals determining the reference time or reference times, which time information signals are obtained from a master time generation system with the second reception area which is larger or smaller than the first reception area. In this way, the said unit can receive the said time information signal and prepare itself completely or partially for tuning to the said time slot system before it enters into or is covered by the first reception area.

French Abstract

La presente invention concerne un agencement d'un nombre d'unites pouvant communiquer entre elles a travers au moins un systeme de connexion sans fil pour la transmission de messages. Le systeme de connexion opere avec une premiere et une deuxieme zones de reception. On etablit un creneau temporel dans la premiere zone de reception, dans lequel systeme les unites ont acces aux moyens de transmission en question dans des intervalles de temps sequentiels alloues, durant lesquels on active les unites pour leurs transmissions et receptions respectives en utilisant information de temps executee dans le systeme de creneau temporel, laquelle information de temps a trait a un ou plusieurs temps de reference utilises dans le systeme de creneau temporel. Les moyens d'actionnement du systeme de creneau temporel et l'unite respective concernees qui est situee hors de la zone de reception peuvent recevoir lesdits signaux d'information de temps determinant le temps de reference ou les temps de reference, lesquels signaux d'information de temps sont obtenus a partir d'un systeme pilote de generation de temps avec la deuxieme zone de reception qui est plus etendue ou moins etendue que la premiere zone de reception. Ainsi, ladite unite peut recevoir ledit signal d'information de temps et se preparer entierement ou partiellement a s'accorder audit systeme de creneau temporel avant de penetrer a l'interieur ou d'etre couverte par la premiere zone de reception.

Legal Status (Type, Date, Text)

Publication 20020328 A1 With international search report.

Examination 20020510 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

Search Report from Ginger R. DeMille

... at the entrance and one at the exit, that a sensor is arranged at the **entrance** and the **exit** to each **lane** , which sensor detects the passing of the respective vehicle or the like, the respective lane...

...controller unit is in turn connected to a wired network, which is connected to a **charging** system via a road **toll** unit.

22 An arrangement according to Claim 21, characterized in that if there is no vehicle/car or the like in a **lane** , the **entrance** light shows green and the exit light shows red, that when a vehicle/car or the...

...the like passes the respective radio units, requisite information is exchanged for the purpose of **charging** for the road **toll** , and that thereafter the exit light changes to red and when the vehicle/car or the like has passed the **exit** sensor, the **lane** in question **returns** to its original status.

23 An arrangement according to Claim 21 or 22, characterized in...

14/5,K/12 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00799196 \*\*Image available\*\*

**A MOBILE OBJECT MONITORING SYSTEM**

**SYSTEME DE SURVEILLANCE D'OBJET MOBILE**

Patent Applicant/Assignee:

NETSTAR (PROPRIETARY) LIMITED, Block B, D & K, Central Park Offices, 16th Road, Randjespark Ext. 5, 1685 Midrand, ZA, ZA (Residence), ZA (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BROWNLEE-WALKER Conrad Mortimer, Mandalay, Witkoppen Road, 2021 Bryanston, ZA, ZA.(Residence), ZA (Nationality), (Designated only for: US)

GROENEWALD Barend Stephanus, 1802 Berg Avenue, Amandasig, 0118 Akasia, ZA, ZA (Residence), ZA (Nationality), (Designated only for: US)

Legal Representative:

GILSON David Grant (et al) (agent), Spoor and Fisher, P.O. Box 41312, 2024 Craighall, ZA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200132480 A1 20010510 (WO 0132480)

Application: WO 2000IB1597 20001106 (PCT/WO IB0001597)

Priority Application: ZA 996953 19991105

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B60R-025/10

International Patent Class: G08G-001/127; G01S-005/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5465

English Abstract

Search Report from Ginger R. DeMille

A mobile object monitoring and tracking system includes a tracking unit 10 which is fitted to a mobile object. The unit 10 comprises a GSM transceiver 16 for receiving mobile object locating signals from and transmitting mobile object identification signals to an array of GSM sites in a GSM-based area network defining a broad area of coverage. The unit 10 further includes a signpost receiver 20 for receiving mobile object locating signals from a strategically located array of signpost stations in a dedicated area network defining a restricted area of coverage falling within the broad area of coverage. The tracking unit is also provided with a transmitter 18 for transmitting mobile object location and identification signals to a central control station for identifying the mobile object and determining its approximate location. The system provides a number of activating inputs 26 for activating the tracking unit 10 and a number of arming inputs 28 for transmitting emergency signals to the unit 10.

French Abstract

La presente invention concerne un systeme de suivi et de surveillance d'objet mobile qui comprend une unite de suivi (10) adaptee a un objet mobile. Cette unite (10) comprend un emetteur recepteur (16) GSM destine a recevoir les signaux de localisation de l'objet mobile en provenance d'un reseau de sites GSM dans un reseau de zones GSM definissant une vaste zone de couverture, et a emettre des signaux d'identification de l'objet mobile vers ce reseau de sites GSM. Cette unite (10) comprend egalement un recepteur (20) de signalisation fixe destine a recevoir les signaux de localisation de l'objet mobile en provenance d'un reseau de stations de signalisation fixe strategiquement positionnees dans un reseau de zones specialisees definissant une zone de couverture limitee comprise dans la vaste zone de couverture. L'unite de suivi comprend aussi un emetteur recepteur (18) destine a emettre des signaux d'identification et de localisation de l'objet mobile vers une station de commande centrale de facon a identifier l'objet mobile et a determiner sa localisation approximative. Ce systeme comprend un certain nombre d'entrees (26) d'actionnement destinees a actionner l'unite de suivi (10), et un certain nombre d'entrees (28) d'armement destinees a emettre des signaux d'alarme vers cette unite (10).

Legal Status (Type, Date, Text)

Publication 20010510 A1 With international search report.

Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... these applications require a vehicle to announce its entry into a tolled zone, and to **pay** the **toll** in an acceptable manner. Using the present invention, signposts are located at entry and **exit** points to tolled roads or **zones**. As a vehicle approaches the zone, it reads the signpost and initiates a financial transaction...

14/5,K/13 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00501675 \*\*Image available\*\*

METHOD FOR AUTOMATIC DEBITING OF TOLLS FOR VEHICLES

PROCEDE POUR DEBITER AUTOMATIQUEMENT DES FRAIS DE PEAGE RELATIFS A DES VEHICULES

1920-Aug-0310:59 AM

Search Report from Ginger R. DeMille

Patent Applicant/Assignee:

COMBITECH TRAFFIC SYSTEMS AB,  
ERIKSSON Kent,

Inventor(s):

ERIKSSON Kent,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9933027 A1 19990701

Application: WO 98SE2264 19981209 (PCT/WO SE9802264)

Priority Application: SE 974853 19971222

Designated States: AU BR CN KR NO US AT BE CH CY DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE

Main International Patent Class: G07B-015/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3795

English Abstract

A method for automatic debiting of tolls for vehicles (V1-V4) on traffic routes or in traffic zones, the vehicles being equipped with communication devices (1, 11) for communication (12) with a central unit (C) and a roadside unit (3) at a physical toll (4) station. At least one virtual toll charging station (7) is geographically predetermined in relation to the physical station. The vehicle's communication device comprises also a receiver (8) for a signal supplying GNSS system. A first processor (5) reads the position of the vehicle and detects the entry of the vehicle into a virtual toll charging station by comparing the read vehicle position with the positions of the virtual toll charging stations, which data are stored in the vehicle's memory (6), the communication device announcing, via a digital mobile transmitting network to the central unit, that a toll debit transaction is to be executed. The central unit carries out the toll debiting transaction and returns a receipt of the transaction to the vehicle. On entry to the physical toll station the vehicles communication sends, via a communication link to the roadside unit, the receipt as evidence that the correct toll has been paid.

French Abstract

L'invention concerne un procede permettant de debiter automatiquement des frais de peage relatifs a des vehicules (V1-V4) sur de grands itineraires ou dans des zones de circulation, dans lequel les vehicules sont equipes de dispositifs de communication (1, 11) destines a la communication (12) avec une unite centrale (C) et avec une unite routiere (3) situee au niveau d'un poste de peage physique (4). Au moins un poste de facturation de peage virtuel (7) est geographiquement predetermine par rapport au poste physique. Le dispositif de communication a bord du vehicule comporte egalement un recepteur (8) destine a un systeme global de navigation par satellite fournissant des signaux. Un premier processeur (5) lit la position du vehicule (V1-V4) et detecte son entree dans un poste de facturation de peage virtuel en comparant la position du vehicule lue avec les positions des postes de facturation de peage virtuel, donnees qui sont stockees dans la memoire (6) du vehicule, le dispositif de communication faisant connaitre a l'unite centrale, par l'intermediaire d'un reseau de transmission mobile numerique, qu'une transaction de debit de peage doit etre executee. L'unite centrale effectue cette transaction de debit de peage et fournit un receptisse de la transaction au vehicule. Lors de l'entree du vehicule dans le poste de peage physique, son dispositif de communication transmet, par l'intermediaire d'une liaison de communication avec l'unite routiere, le receptisse prouvant que la taxe de peage exacte a ete acquittee.

Fulltext Availability:  
Detailed Description

Detailed Description

... V2 there should be equipment (e.g. MMI) which informs the driver that he has entered a geographically defined zone which consist of a virtual toll charging station (7), and indicates that payment of the toll is to be made. The advantages of this are that the driver is not charged...

14/5,K/14 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00427642 \*\*Image available\*\*

**A METHOD AND A SYSTEM FOR REGISTERING VEHICLE FEES**

**PROCEDE ET DISPOSITIF POUR L'ENREGISTREMENT DES TAXES DE VEHICULES**

Patent Applicant/Assignee:

COMBITECH TRAFFIC SYSTEMS AB,  
MOSTRoM Thomas,

Inventor(s):

MOSTRoM Thomas,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9818105 A1 19980430

Application: WO 97SE1692 19971010 (PCT/WO SE9701692)

Priority Application: SE 963927 19961024

Designated States: BR CN JP KR NO US AT BE CH DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

Main International Patent Class: G07B-015/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5989

English Abstract

A method and system for registering vehicle fees by means of radio communication between stationary toll collection facilities in a toll border (1, 2) of a main zone and communication equipments in passing vehicles when making predetermined checking operations such as for securing the authority of the vehicle equipment. Within the main zone a number of radio transmitters are arranged, which transmit data carrying signals relating to additional fees related to passing the respective transmitter. When passing in, the toll collection facilities carry out an introductory part of the ckecking operations and activate the vehicle equipment to register signals from the transmitters when passing them. When passing out, the registering operation is terminated including the checking operations, then summing up the registered fees and debiting the total fee. Thereby the main zone can be divided into a number of inner zones (A, B, C, 9) so that the toal fee is made to be dependent on the inner zones into which the vehicle is driven and without the need for complete toll collection facilities for bidirectional communication within the main zone.

French Abstract

La presente invention concerne un procede et un systeme d'enregistrement des taxes de vehicules au moyen de communications radio entre des installations fixes de perception de peage sur les frontieres a peages (1, 2) d'une zone principale et des appareils de communication lors du passage des vehicules effectuant les operations de controle preetables, comme la verification de la conformite de l'equipement du vehicule. A

Search Report from Ginger R. DeMille

l'interieur de la zone principale, un nombre d'émetteurs radio sont disposés pour transmettre des signaux porteurs de données concernant les taxes supplémentaires liées au passage par l'émetteur respectif. Lors du passage d'entrée, les installations de perception de péage effectuent une première opération de contrôle et activent l'équipement du véhicule pour qu'il puisse enregistrer les signaux provenant des émetteurs. Lors du passage de sortie, l'opération d'enregistrement et les opérations de contrôle sont achevées, les taxes enregistrées sont additionnées et la taxe totale est débitée. La zone principale peut ainsi être divisée en plusieurs zones intérieures (A, B, C, 9) de manière à ce que la taxe totale soit dépendante des zones intérieures par lesquelles le véhicule passe, sans devoir recourir à une installation complète de perception de péage pour la communication bidirectionnelle à l'intérieur la zone principale.

Fulltext Availability:

Detailed Description

Detailed Description

... constitute both entrance fees which are registered for a vehicle passing the border to a toll zone and parking charges which are collected when placing a vehicle at an indicated car parking area, the charges...as peripheral zones, Collecting some kind of average fee, like in existing systems, for entrance over an outer zone border has appeared to be little efficient and also evokes a large resistance from the...  
  
...toll zone relatively high fees are required but if they would be collected for already entering the border zone, for example for passing through, vehicle traffic which is not desired to be restricted to...

14/5,K/15 (Item 5 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00279079

TOLL-RECORDING SYSTEM FOR USE IN URBAN STREETS AND TRAFFIC AREAS

SYSTEME D'ENREGISTREMENT DE PEAGE S'UTILISANT DANS LES RUES INTRA-MUROS ET LES ZONES DE CIRCULATION

Patent Applicant/Assignee:

SIEMENS AKTIENGESSELLSCHAFT,  
VON TOMKEWITSCH Romuald,  
WENTER Peter,

Inventor(s):

VON TOMKEWITSCH Romuald,  
WENTER Peter,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9427256 A1 19941124

Application: WO 94DE488 19940503 (PCT/WO DE9400488)

Priority Application: DE 4316609 19930518

Designated States: FI JP NO US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G07B-015/00

Publication Language: German

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 1384

English Abstract

The invention pertains to a toll-recording system for use in urban streets and traffic areas by motor vehicles. The motor vehicles are equipped with a microcomputer, bidirectional communication and transmission equipment and a chip card read-write device. Wireless data communications equipment is mounted at the **entrances** and exits of traffic **toll zones**. A **chargeable** electronic use card in the form of a chip card is installed in the read-write device. Upon entry into the toll zone, a toll schedule is transmitted to the vehicle equipment, which records a use security **charge** depending on the **toll** schedule and activates a toll counter situated in the vehicle equipment. Upon exiting, the vehicle equipment calculates the tolls consumed and credits the remaining amount of the security charge on the chip card. The wireless data communication system can be established by infrared distance markers with appurtenant control device and by a corresponding transmitter-receiver pair in the vehicle. The vehicle can be monitored for proper payment with a monitoring or interrogation device using infrared communication equipment.

French Abstract

L'invention concerne un systeme d'enregistrement de peage s'utilisant dans les rues intra-muros et les zones de circulation. Les automobiles sont equipees d'un appareil de bord comportant un micro-ordinateur, un dispositif bidirectionnel de communication et de transmission et un dispositif de lecture/ecriture a cartes a puce. Des dispositifs de transmission de donnees sans fil sont places aux entrees et aux sorties des zones de circulation a peage. Une carte electronique d'exploitation debitable et creditable se presentant sous forme de carte a puce est inseree dans le dispositif de lecture/ecriture. Au moment ou le vehicule entre dans la zone a peage, un tarif est transmis a l'appareil de bord qui debite une caution d'exploitation en fonction dudit tarif et met en marche un compteur situe dans l'appareil de bord. Lorsque le vehicule quitte la zone a peage, l'appareil de bord fait le decompote des taxes que l'usager doit verser et credite la somme restante de la caution versee sur la carte a puce. Les dispositifs de transmission de donnees sans fil peuvent etre formes par des avertisseurs optiques a infrarouges comportant un organe de commande associe et par un dispositif correspondant d'emission et de reception, dans le vehicule. Un dispositif de controle ou d'interrogation actionne par des dispositifs de communication a infrarouges permet de verifier si les usagers des vehicules ont bien acquitte le montant exact.

English Abstract

...and a chip card read-write device. Wireless data communications equipment is mounted at the **entrances** and exits of traffic **toll zones**. A **chargeable** electronic use card in the form of a chip card is installed in the read...

...zone, a toll schedule is transmitted to the vehicle equipment, which records a use security **charge** depending on the **toll** schedule and activates a toll counter situated in the vehicle equipment. Upon exiting, the vehicle...

?

Search Report from Ginger R. DeMille

? show files

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200353

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File 344:Chinese Patents Abs Aug 1985-2003/Mar

(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)

(c) 2003 JPO & JAPIO

File 371:French Patents 1961-2002/BOPI 200209

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? ds

Set	Items	Description
S1	11	TOLL()(ZONE? ? OR LANE? ?)
S2	324265	ZONE? ? OR LANE? ?
S3	1207023	EXIT? OR LEAVE? OR LEAVING? OR SWERV? OR "MOVE()FROM" OR R- EMOVE?
S4	2491	REENTER? OR RE()(ENTER? OR ENTRY? OR ENTRANCE) OR REENTRAN- CE?
S5	701296	ENTER? OR ENTRANCE? OR RETURN?
S6	930	(CHARGE? OR CHARGING? OR PAY?)(5N)(TOLL OR TOLLS)
S7	0	(S1 OR S2) AND (S3 OR S5) AND S4 AND S6
S8	34	(S1 OR S2) AND (S3 OR S5) AND S6

? t8/4/all

8/4/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- \*Image available\*

AA- 2002-355317/200239|

XR- <XRPX> W02-279305|

TI- Toll fee receipt device for vehicle, guides user of vehicle to perform operations required to **pay** toll fee, when vehicle **enters** into manual toll collection **lane** |

PA- PIONEER ELECTRONIC CORP (PIOE )|

NC- 001|

NP- 001|

PN- JP 2002008076 A 20020111 JP 2000183369 A 20000619 200239 B|

AN- <LOCAL> JP 2000183369 A 20000619|

AN- <PR> JP 2000183369 A 20000619|

LA- JP 2002008076(14)|

AB- <PN> JP 2002008076 A|

AB- <NV> NOVELTY - The user of a vehicle is guided to perform operations required to **pay** the toll fee, when the vehicle **enters** into a manual toll collection **lane** . When the vehicle passes through an automatic fee payment **lane** , an ETC antenna communicates with the traffic equipment installed in the ETC booth for automatically collecting the toll fee.|

AB- <BASIC> USE - For collecting toll fee from vehicle in a toll gate.

ADVANTAGE - Fee payment through manual operations is smoothly performed and delay due to traffic congestion is eliminated.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the user guiding process in the outlet toll gate. (Drawing includes non-English language text).

pp; 14 DwgNo 7/7|

DE- <TITLE TERMS> TOLL; FEE; RECEIPT; DEVICE; VEHICLE; GUIDE; USER; VEHICLE ; PERFORMANCE; OPERATE; REQUIRE; PAY; TOLL; FEE; VEHICLE; **ENTER** ; MANUAL; TOLL; COLLECT; **LANE** |

DC- T05; T07; X22|

IC- <MAIN> G07B-015/00|

IC- <ADDITIONAL> G01C-021/00; G08G-001/017; G08G-001/09|



Search Report from Ginger R. DeMille

MC- <EPI> T05-C03; T05-D02; T07-A03; X22-X07|  
FS- EPI||

8/4/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- \*Image available\*

AA- 2001-538848/200160|

XR- <XRPX> N01-400442|

TI- Automatic toll fee receipt system for use in **toll** road, judges batch **payment** indication from information received from one vehicle and after settlement, informs to other **lane** control device|

PA- TOSHIBA KK (TOKE )|

NC- 001|

NP- 001|

PN- JP 2001134792 A 20010518 JP 99312594 A 19991102 200160 B|

AN- <LOCAL> JP 99312594 A 19991102|

AN- <PR> JP 99312594 A 19991102|

LA- JP 2001134792(16)|

AB- <PN> JP 2001134792 A|

AB- <NV> NOVELTY - A **lane** control device (3) judges batch settlement of toll fee for multiple vehicles based on information read from IC card of one vehicle **entering** the **lane** . After fee settlement, the control device relays the settlement information with vehicle information to other **lane** control device through relay computer (2).|

AB- <BASIC> DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Fee settlement device in vehicle;

(b) Fee receipt procedure

USE - For batch settlement of toll fee in toll road.

ADVANTAGE - Since batch payment of fee is enabled, congestion delay is reduced in toll roads.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of electronic toll system. (Drawing includes non-English language text).

Relay computer (2)

**Lane** control device (3)

pp; 16 DwgNo 1/8|

DE- <TITLE TERMS> AUTOMATIC; TOLL; FEE; RECEIPT; SYSTEM; TOLL; ROAD;  
JUDGEMENT; BATCH; PAY; INDICATE; INFORMATION; RECEIVE; ONE; VEHICLE;  
AFTER; SETTLE; INFORMATION; **LANE** ; CONTROL; DEVICE|

DC- T04; T05|

IC- <MAIN> G07B-015/00|

IC- <ADDITIONAL> G06K-017/00|

MC- <EPI> T04-K01; T05-D02; T05-H02C5C; T05-H05C; T05-L02|

FS- EPI||

8/4/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 2001-367080/200138|

XR- <XRPX> N01-267871|

TI- Toll collection system for use in roadways, instructs transponder of vehicle to debit calculated toll when vehicle **enters** wide area **zone** |

PA- MARK IV IND LTD (MARK-N); BENVIDI M (BENV-I); COOK J K (COOK-I); HE W

Search Report from Ginger R. DeMille

(HEWW-I); HO T V (HOTV-I); TIERNAY R W (TIER-I)|  
 AU- <INVENTORS> BENVIDI M; COOK J K; HE W; HO T V; TIERNAY R W|  
 NC- 094|  
 NP- 003|  
 PN- WO 200113338 A1 20010222 WO 2000CA924 A 20000811 200138 B|  
 PN- AU 200066740 A 20010313 AU 200066740 A 20000811 200138  
 PN- US 20030001755 A1 20030102 US 99371863 A 19990811 200305  
 <AN> US 200260092 A 20020131|  
 AN- <LOCAL> WO 2000CA924 A 20000811; AU 200066740 A 20000811; US 99371863 A  
 19990811; US 200260092 A 20020131|  
 AN- <PR> US 99371863 A 19990811; US 200260092 A 20020131|  
 FD- WO 200113338 A1 G07B-015/00  
 <DS> (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU  
 CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
 KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
 SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
 <DS> (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS  
 LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW  
 FD- AU 200066740 A G07B-015/00 Based on patent WO 200113338  
 FD- US 20030001755 A1 G08G-001/65 Cont of application US 99371863|  
 LA- WO 200113338(E<PG> 34)|  
 DS- <NATIONAL> AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE  
 DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
 LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI  
 SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW|  
 DS- <REGIONAL> AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE;  
 IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW|  
 AB- <PN> WO 200113338 A1|  
 AB- <NV> NOVELTY - The wide area transceivers (MR1-MR4) communicate with  
 smart card equipped transponder (23) of vehicle **entering**  
 corresponding wide area **zones** (MZ1-MZ4). A transaction manager  
 connected to wide area transceivers instructs transponder to debit  
 calculated **toll** and **payment** information from transponder is  
 transmitted to corresponding lake area transceivers (IR1-IR9), for  
 verification of transaction.|  
 AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included  
 for toll collecting method.  
 USE - For use in roadways.  
 ADVANTAGE - Checking of transaction is performed with maximum  
 security.  
 DESCRIPTION OF DRAWING(S) - The figure shows the schematic plan  
 view of toll collection system.  
 Transponder (23)  
 Lake area transceivers (IR1-IR9)  
 Wide area transceivers (MR1-MR4)  
 Wide area **zones** (MZ1-MZ4)  
 pp; 34 DwgNo 1/6|  
 DE- <TITLE TERMS> TOLL; COLLECT; SYSTEM; ROAD; TRANSPONDER; VEHICLE; DEBIT;  
 CALCULATE; TOLL; VEHICLE; **ENTER** ; WIDE; AREA; **ZONE** |  
 DC- T05; T07; W02; X22|  
 IC- <MAIN> G07B-015/00; G08G-001/65|  
 MC- <EPI> T05-C01; T05-D02; T05-H02C5C; T07-A03A1; W02-G05A; W02-K02A1;  
 X22-X07|  
 FS- EPI||

8/4/4 (Item 4 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

AA- 1999-205638/199918|

320-Aug-0310:25 AM

Search Report from Ginger R. DeMille

XR- <XRPX> N99-151442|  
TI- Toll highway charging system with image monitor function - links station and lane subsystems with network server|  
PA- HONGXIA ELECTRONIC DEV CO LTD BEIJING (HONG-N)|  
AU- <INVENTORS> LIU Z; TIAN G; WANG X|  
NC- 001|  
NP- 001|  
PN- CN 1201957 A 19981216 CN 98102317 A 19980602 199918 B|  
AN- <LOCAL> CN 98102317 A 19980602|  
AN- <PR> CN 98102317 A 19980602|  
FD- CN 1201957 A G07B-015/00|  
LA- CN 1201957(1)|  
AB- <BASIC> CN 1201957 A

The charging system with image monitor function for an enclosed expressway comprises a station subsystem and lane subsystems. The station subsystem consists of a network server, management terminal, lane units and a hub. The lane subsystem is a computer system composed of a lane host, video camera, incoming vehicle detector, pass ticket reader/writer and fee display.

At the entrance to the lane, information relating to the vehicle model and the duty person is written on the pass ticket. At the exit of the lane, the vehicle model information is taken by the camera, the fee is shown on a monitor, and the information is read out from the pass ticket. The data of each lane are collected by the hub and sent to the network server.|

DE- <TITLE TERMS> TOLL; HIGHWAY; CHARGE; SYSTEM; IMAGE; MONITOR; FUNCTION; LINK; STATION; LANE ; SUBSYSTEM; NETWORK; SERVE|  
DC- T01; T05; T07|  
IC- <MAIN> G07B-015/00|  
IC- <ADDITIONAL> G07B-015/04|  
MC- <EPI> T01-J05A1; T05-C03; T05-D02; T07-A03C5|  
FS- EPI||

8/4/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*  
AA- 1999-050892/199905|  
XR- <XRPX> N00-238799|  
TI- Mixed lock-type toll collection system for collecting tolls from vehicles on toll roads such as a freeway with minimized delay at toll booth|  
PA- SAMSUNG ELECTRONICS CO LTD (SMSU ); HO W (HOWW-I); KIM J (KIMJ-I); PARK W (PARK-I); RYU D (RYUD-I)|  
AU- <INVENTORS> HO W; KIM J; PARK W; RYU D; HUH W C; KIM J Y; PARK W S; YOO D G|  
NC- 004|  
NP- 005|  
PN- JP 10302102 A 19981113 JP 9891034 A 19980318 199905 B|  
PN- US 6040785 A 20000321 US 9830320 A 19980225 200028  
PN- CN 1197253 A 19981028 CN 97120504 A 19970929 199911  
PN- KR 98077362 A 19981116 KR 9714459 A 19970418 200003  
PN- KR 243318 B1 20000302 KR 9714459 A 19970418 200122|  
AN- <LOCAL> JP 9891034 A 19980318; US 9830320 A 19980225; CN 97120504 A 19970929; KR 9714459 A 19970418; KR 9714459 A 19970418|  
AN- <PR> KR 9714459 A 19970418|  
FD- JP 10302102 A G07B-015/00  
FD- US 6040785 A G08G-001/00

Search Report from Ginger R. DeMille

FD- KR 98077362 A G07B-015/00  
FD- CN 1197253 A G07B-015/00|  
LA- JP 10302102(12); US 6040785(15)|  
AB- <PN> US 6040785 A|  
AB- <NV> NOVELTY - An onboard unit (100) may be attached to the front window of a vehicle and performs radio communication with an **entrance lane** device (110) to receive **entrance** information and with an **exit lane** device (130). An integrated circuit card (102) **pays** the toll to a financial institution at the **exit** gate when the card is inserted into a reader or can transfer the identification number to a central control device (16) for extracting an after-payment.|  
AB- <BASIC> DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a method of providing **entrance** information to a vehicle **entering** a toll road.  
USE - Collecting tolls from a vehicle on a toll road.  
ADVANTAGE - Efficient toll collection from vehicles.  
DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of a mixed lock-type toll collecting system constructed according to the principles of the present invention  
Onboard unit (100)  
Entrance lane device (110)  
Exit lane device (130)  
Integrated circuit card (102)  
Central control device (160)  
pp; 15 DwgNo 1/5|  
DE- <TITLE TERMS> MIX; LOCK; TYPE; TOLL; COLLECT; SYSTEM; COLLECT; VEHICLE; TOLL; ROAD; DELAY; TOLL; BOOTH|  
DC- T01; T04; T05; T07; W02; W06; X22|  
IC- <MAIN> G07B-015/00; G08G-001/00|  
IC- <ADDITIONAL> G08G-001/01|  
MC- <EPI> T01-H01B3A; T04-K01; T05-D02; T05-H02C5C; T07-A03A1; W02-G05B; W06-A04B1; X22-X07|  
FS- EPI||

8/4/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*  
AA- 1997-518057/199748|  
XR- <XRPX> N97-431180|  
TI- Tariff collection system for **payment** using wireless communication in **toll** gates - has controller to check whether communication performed by antenna to money reception unit is correct and to control all units based on position of vehicle mounting machine|  
PA- MITSUBISHI JUKOGYO KK (MITO )|  
NC- 001|  
NP- 001|  
PN- JP 9245207 A 19970919 JP 9651611 A 19960308 199748 B|  
AN- <LOCAL> JP 9651611 A 19960308|  
AN- <PR> JP 9651611 A 19960308|  
FD- JP 9245207 A G07B-015/00|  
LA- JP 9245207(11)|  
AB- <BASIC> JP 9245207 A

The system has a vehicle mounted machine (22) into which a vehicle (21) is mounted. The machine then travels in a **lane** (20). Vehicle detection sensors (1,2) set at the **entrance** of money reception unit detects the arrival of the vehicle. A first road side antenna (3) with communication area (4) reads the information corresponding to the

Search Report from Ginger R. DeMille

vehicle.

A controller (8) controls the operation of each unit based on the position of the vehicle mounted machine with vehicle. When the vehicle mounted machine reaches the money reception unit, the controller checks whether the communication done by a second road side antenna (5) to money reception unit is correct or incorrect and based on the result, money is received from the vehicle in vehicle mounted machine manually or automatically.

ADVANTAGE - Improves applicability of existing system. Performs fee reception process, reliably.

Dwg.1/5|

DE- <TITLE TERMS> TARIFF; COLLECT; SYSTEM; PAY; WIRELESS; COMMUNICATE; TOLL  
; GATE; CONTROL; CHECK; COMMUNICATE; PERFORMANCE; ANTENNA; MONEY;  
RECEPTION; UNIT; CORRECT; CONTROL; UNIT; BASED; POSITION; VEHICLE;  
MOUNT; MACHINE|

DC- T05; T07; W01; W02; X22|

IC- <MAIN> G07B-015/00|

IC- <ADDITIONAL> G06F-017/60; H04B-007/26|

MC- <EPI> T05-C03; T07-A03A1; W01-B05A1; W01-C06; W02-C03C; X22-X07|

FS- EPI||

8/4/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- \*Image available\*

AA- 1997-412421/199738|

XR- <XRPX> N97-343614|

TI- Non-stop fee **payment** system for road **toll** gate - debits toll to credit card memory in passing vehicle responder based on vehicle identification data received from responder by gate machine through wireless communication|

PA- SUMITOMO ELECTRIC IND CO (SUME )|

NC- 001|

NP- 001|

PN- JP 9185737 A 19970715 JP 961033 A 19960108 199738 B|

AN- <LOCAL> JP 961033 A 19960108|

AN- <PR> JP 961033 A 19960108|

FD- JP 9185737 A |

LA- JP 9185737(7)|

AB- <BASIC> JP 9185737 A

The system works by wireless communication between a wireless transmitter-receiver (1g) provided in a gate machine at a toll gate and a responder (2) provided in a vehicle passing the gate. This responder holds a pre paid IC credit card with a memory. When the vehicle approaches a toll gate, identification data of the vehicle such as type of car, vehicle number are transmitted by the vehicles responder and received by the gate machine through a first antenna (1c) in an inlet **zone** (Z1) of the gate.

A judgment part judges the toll due for the vehicle and the transmitter part of the gate machine sends wireless signals through a second antenna (1k) at an **exit zone** (Z2) to the vehicles responder for debitting the toll due to the credit card memory and the vehicle passes non-stop.

ADVANTAGE - Provides smooth ventricular flow without traffic congestion.

Dwg.1/6|

DE- <TITLE TERMS> NON; STOP; FEE; PAY; SYSTEM; ROAD; TOLL; GATE; DEBIT;  
TOLL; CREDIT; CARD; MEMORY; PASS; VEHICLE; RESPOND; BASED; VEHICLE;  
IDENTIFY; DATA; RECEIVE; RESPOND; GATE; MACHINE; THROUGH; WIRELESS;

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COMMUNICATE|  
 DC- T01; T05; T07; X22|  
 IC- <MAIN> G07B-015/00|  
 IC- <ADDITIONAL> G06F-017/60; H04L-009/32|  
 MC- <EPI> T01-J05A; T05-C03; T05-D02; T05-H02C1; T05-H02C5C; T07-A03A1;  
 X22-X07|  
 FS- EPI||

8/4/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*  
 AA- 1996-079327/199609|  
 XR- <XRPX> N96-065972|  
 TI- Common oscillator for interrogation system minimising interference  
 errors - has interrogation units close to each other and fed from same  
 oscillator and using identical PLL loops to produce completely  
 synchronised signals|  
 PA- NIPPONDENSO CO LTD (NPDE )|  
 AU- <INVENTORS> KATOH T|  
 NC- 005|  
 NP- 004|  
 PN- EP 694884 A2 19960131 EP 95111355 A 19950719 199609 B|  
 PN- JP 8036052 A 19960206 JP 94191057 A 19940720 199615  
 PN- SG 38854 A1 19970417 SG 95897 A 19950719 199724  
 PN- JP 3384127 B2 20030310 JP 94191057 A 19940720 200321|  
 AN- <LOCAL> EP 95111355 A 19950719; JP 94191057 A 19940720; SG 95897 A  
 19950719; JP 94191057 A 19940720|  
 AN- <PR> JP 94191057 A 19940720|  
 CT- No-SR.Pub|  
 FD- EP 694884 A2 G07B-015/00  
 <DS> (Regional): DE GB IT  
 FD- JP 3384127 B2 G01S-013/76 Previous Publ. patent JP 8036052|  
 LA- EP 694884(E<PG> 8); JP 8036052(5); JP 3384127(5)|  
 DS- <REGIONAL> DE; GB; IT|  
 AB- <BASIC> EP 694884 A

The vehicle interrogation system includes multiple interrogation  
 and transponder units. The interrogation units are align above vehicle  
**lanes** and are sufficiently close to permit interference between their  
 signals. Each interrogation unit transmits a signal in two parts. The  
 first part is modulated while the second is a simple carrier wave used  
 by the transponder to **return** a modulated response.

The interrogation units use a common oscillator through identical  
 phase locked loop dividers to generate their signals in complete  
 synchronism during both elements of the transmission.

USE/ADVANTAGE - Vehicle **toll charging** systems. Moving body or  
 vehicle identification system. Avoids interference and beat signals  
 being generated allowing more accurate transmissions from close units.

Dwg.1/5|

DE- <TITLE TERMS> COMMON; OSCILLATOR; INTERROGATION; SYSTEM; MINIMISE;  
 INTERFERENCE; ERROR; INTERROGATION; UNIT; CLOSE; FEED; OSCILLATOR;  
 IDENTICAL; PLL; LOOP; PRODUCE; COMPLETE; SYNCHRONISATION; SIGNAL|  
 DC- T05; T07; U23; W02; W06; X22|  
 IC- <MAIN> G01S-013/76; G07B-015/00; H04B-007/26|  
 IC- <ADDITIONAL> H04B-001/59|  
 MC- <EPI> T05-D02; T07-A03; U23-D01; W02-G05B; W06-A04B1; X22-X07|  
 FS- EPI||

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8/4/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- \*Image available\*

AA- 1995-155394/199520|

XR- <XRPX> N95-122352|

TI- Vehicle transponder for short-wave communication with roadside beacon -  
has 2-stage automatic gain control circuit with respective amplifiers  
for downlink and uplink signals|

PA- BOSCH GMBH ROBERT (BOSC )|

AU- <INVENTORS> BODE F W; FISCHER H J; OHLER M; ROSSIUS H U; VAHLE A; BODE  
F; FISCHER H; ROSSIUS H; VCAHLE A|

NC- 022|

NP- 012|

PN- WO 9510096 A1 19950413 WO 94DE1141 A 19940928 199520 B|

PN- DE 4333964 A1 19950413 DE 4333964 A 19931005 199520

PN- EP 722595 A1 19960724 EP 94928268 A 19940928 199634

<AN> WO 94DE1141 A 19940928

PN- HU 73367 T 19960729 WO 94DE1141 A 19940928 199643

<AN> HU 96883 A 19940928

PN- CZ 9600977 A3 19970416 WO 94DE1141 A 19940928 199722

<AN> CZ 96977 A 19940928

PN- EP 722595 B1 19970806 EP 94928268 A 19940928 199736

<AN> WO 94DE1141 A 19940928

PN- DE 59403680 G 19970911 DE 503680 A 19940928 199742

<AN> EP 94928268 A 19940928

<AN> WO 94DE1141 A 19940928

PN- JP 9509794 W 19970930 WO 94DE1141 A 19940928 199749

<AN> JP 95510545 A 19940928

PN- ES 2106561 T3 19971101 EP 94928268 A 19940928 199750

PN- US 5721552 A 19980224 WO 94DE1141 A 19940928 199815

<AN> US 96605187 A 19960531

PN- CZ 286227 B6 20000216 WO 94DE1141 A 19940928 200016

<AN> CZ 96977 A 19940928

PN- HU 219086 B 20010228 WO 94DE1141 A 19940928 200121

<AN> HU 96883 A 19940928|

AN- <LOCAL> WO 94DE1141 A 19940928; DE 4333964 A 19931005; EP 94928268 A  
19940928; WO 94DE1141 A 19940928; WO 94DE1141 A 19940928; HU 96883 A  
19940928; WO 94DE1141 A 19940928; CZ 96977 A 19940928; EP 94928268 A  
19940928; WO 94DE1141 A 19940928; DE 503680 A 19940928; EP 94928268 A  
19940928; WO 94DE1141 A 19940928; WO 94DE1141 A 19940928; JP 95510545 A  
19940928; EP 94928268 A 19940928; WO 94DE1141 A 19940928; US 96605187 A  
19960531; WO 94DE1141 A 19940928; CZ 96977 A 19940928; WO 94DE1141 A  
19940928; HU 96883 A 19940928|

AN- <PR> DE 4333964 A 19931005|

CT- 1.Jnl.Ref; FR 2598006; GB 2187916|

FD- WO 9510096 A1 G06K-007/00

<DS> (National): CZ HU JP PL US

<DS> (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

FD- EP 722595 A1 G06K-007/00 Based on patent WO 9510096

<DS> (Regional): CH DE ES FR GB IT LI SE

FD- HU 73367 T G06K-007/00 Based on patent WO 9510096

FD- CZ 9600977 A3 G06K-007/00 Based on patent WO 9510096

FD- EP 722595 B1 G06K-007/00 Based on patent WO 9510096

<DS> (Regional): CH DE ES FR GB IT LI SE

FD- DE 59403680 G G06K-007/00 Based on patent EP 722595

Based on patent WO 9510096

FD- JP 9509794 W H04B-007/15 Based on patent WO 9510096

FD- ES 2106561 T3 G06K-007/00 Based on patent EP 722595

FD- US 5721552 A G01S-013/76 Based on patent WO 9510096

Search Report from Ginger R. DeMille

FD- CZ 286227      B6 G06K-007/00      Previous Publ. patent CZ 9600977  
Based on patent WO 9510096  
FD- HU 219086      B G06K-007/00      Previous Publ. patent HU 73367  
Based on patent WO 9510096|  
LA- WO 9510096(G<PG> 14); DE 4333964(6); EP 722595(G<PG> 1); EP 722595(G  
<PG> 6); JP 9509794(13); US 5721552(5)|  
DS- <NATIONAL> CZ HU JP PL US|  
DS- <REGIONAL> AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT;  
SE; LI|  
AB- <BASIC> WO 9510096 A

The passive transponder has reception and transmission antenna elements (1), between which an automatic gain control circuit for the signal received from the roadside beacon is inserted. The automatic gain control circuit has an automatically-regulated amplifier for the downlink signal and a second automatically-regulated amplifier (8) for the uplink signal. Pref. both amplifiers have approx. the same regulation characteristics, their control inputs (9, 10) coupled to a required value source (11) with a memory holding the required signal values.

ADVANTAGE - Allows monitoring of single traffic lane , without affecting other road lanes , e.g. for road toll charging system.

Dwg.3/4|

AB- <EP> EP 722595 B

Transponder, preferably for bidirectional transmission of data to a fixed station which is constructed as a beacon, according to the passive transponder method, having a receiving and transmitting antenna, having a control circuit and having a data memory, characterised in that, between the receiving antenna and the transmitting antenna (1), two controllable amplifier stages (7, 8) which are connected in series can be connected, in that the amplification of the first amplifier stage (7) is controlled on the basis of a comparison of its output signal with a desired value, and in that the corresponding control value can also be entered into the second amplifier stage (8).

Dwg.1/4|

AB- <US> US 5721552 A

The passive transponder has reception and transmission antenna elements (1), between which an automatic gain control circuit for the signal received from the roadside beacon is inserted. The automatic gain control circuit has an automatically-regulated amplifier for the downlink signal and a second automatically-regulated amplifier (8) for the uplink signal. Pref. both amplifiers have approx. the same regulation characteristics, their control inputs (9, 10) coupled to a required value source (11) with a memory holding the required signal values.

ADVANTAGE - Allows monitoring of single traffic lane , without affecting other road lanes , e.g. for road toll charging system.

Dwg.3/4|

DE- <TITLE TERMS> VEHICLE; TRANSPONDER; SHORT; WAVE; COMMUNICATE; ROAD; BEACON; STAGE; AUTOMATIC; GAIN; CONTROL; CIRCUIT; RESPECTIVE; AMPLIFY; SIGNAL|

DC- T04; T05; T07; W02; W06; X22|

IC- <MAIN> G01S-013/76; G06K-007/00; H04B-001/59; H04B-007/15|

IC- <ADDITIONAL> G06F-019/00; G06K-007/08; G07B-015/00; G08G-001/017; G08G-001/09; H03G-003/20|

MC- <EPI> T04-A03; T05-D02; T07-A03; W02-G05B; W06-A04B1; X22-X|

FS- EPI||

8/4/10      (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

920-Aug-0310:25 AM



Search Report from Ginger R. DeMille

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IM- \*Image available\*  
AA- 1995-038023/199506|  
XR- <XRPX> N95-030085|  
TI- Data detection and exchange arrangement for **toll charge** - has fixed station which evaluates contents of memory of cards on vehicles which initiate transactions|  
PA- ANT NACHRICHTENTECHNIK GMBH (BOSC )|  
AU- <INVENTORS> MANGOLD R; RUBIN D; RUPP D|  
NC- 006|  
NP- 002|  
PN- EP 632410 A2 19950104 EP 94109378 A 19940617 199506 B|  
PN- DE 4322188 C1 19950112 DE 4322188 A 19930703 199506|  
AN- <LOCAL> EP 94109378 A 19940617; DE 4322188 A 19930703|  
AN- <PR> DE 4322188 A 19930703|  
CT- No-SR.Pub|  
FD- EP 632410 A2 G07B-015/00  
<DS> (Regional): AT BE DE FR GB NL  
FD- DE 4322188 C1 G07C-009/00|  
LA- EP 632410(G<PG> 7); DE 4322188(6)|  
DS- <REGIONAL> AT; BE; DE; FR; GB; NL|  
AB- <BASIC> EP 632410 A

The objects e.g vehicles have a device e.g. card in the windscreen for outputting signals to a fixed station (4,4',4'') in whose **zone** (2) the corresp. object is moving. The devices each have a memory in which after a transaction an identifier for the fixed station and time are placed. Each fixed station evaluates the contents of the memory before the storing of the actual station identifier. The transaction is carried out if the time span in memory (Ti) is greater than a predefined first time span (TV1) or the stored identifier is that of the fixed station before the actual fixed station.

Apart from the usual transactions with the actual fixed station further transactions with the station before are carried out or a transaction is carried out which includes the transactions at the station before and the actual station if the stored identifier is a further **removed** previous station and the time span is smaller than a predefined second time (TV2).

ADVANTAGE - Is highly reliable.

Dwg.2/2|

AB- <DE> DE 4322188 C

A system provides a communication path between moving objects, such as cars (1) and a fixed station (4). A communication **zone** (2) is designated in the rail ahead of the fixed station. Each vehicle has an externally visible unit on the windscreen. This can be a cheque card with EEPROM memory.

Microwave signals generated by the fixed station communicate with the car based card to carry the charge transaction. A memory storage device is in each vehicle which processes a transaction after receiving an external signal. A recognition signal and time display is isolated in the memory of a fixed station.

USE/ADVANTAGE - High reliability data exchange. Used for vehicle **toll charging** .

Dwg.1/2|

DE- <TITLE TERMS> DATA; DETECT; EXCHANGE; ARRANGE; TOLL; CHARGE; FIX; STATION; EVALUATE; CONTENT; MEMORY; CARD; VEHICLE; INITIATE; TRANSACTION|

DC- T05|

IC- <MAIN> G07B-015/00; G07C-009/00|

MC- <EPI> T05-C03; T05-D02|

FS- EPI||

Search Report from Ginger R. DeMille

8/4/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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AA- 1995-007705/199502|  
 XR- <XRPX> N95-006453|  
 TI- Toll road use computing arrangement - has vehicle internal computing system with wireless communication link, e.g HF, IR or ultrasound, to units of external static system|  
 PA- MANNESMANN AG (MANS )|  
 AU- <INVENTORS> HERDEG W; WIDL A|  
 NC- 053|  
 NP- 007|  
 PN- DE 4334160 A1 19941201 DE 4334160 A 19931001 199502 B|  
 PN- WO 9428511 A1 19941208 WO 94DE586 A 19940518 199503  
 PN- AU 9466449 A 19941220 AU 9466449 A 19940518 199512  
 <AN> WO 94DE586 A 19940518  
 PN- EP 700549 A1 19960313 EP 94915049 A 19940518 199615  
 <AN> WO 94DE586 A 19940518  
 PN- EP 700549 B1 19970305 EP 94915049 A 19940518 199714  
 <AN> WO 94DE586 A 19940518  
 PN- DE 59401961 G 19970410 DE 501961 A 19940518 199720  
 <AN> EP 94915049 A 19940518  
 <AN> WO 94DE586 A 19940518  
 PN- ES 2098936 T3 19970501 EP 94915049 A 19940518 199724|  
 AN- <LOCAL> DE 4334160 A 19931001; WO 94DE586 A 19940518; AU 9466449 A 19940518; WO 94DE586 A 19940518; EP 94915049 A 19940518; WO 94DE586 A 19940518; EP 94915049 A 19940518; WO 94DE586 A 19940518; DE 501961 A 19940518; EP 94915049 A 19940518; WO 94DE586 A 19940518; EP 94915049 A 19940518|  
 AN- <PR> DE 4318357 A 19930528|  
 CT- 01Jnl.Ref; EP 380377; EP 401192; EP 425961; EP 508405; EP 61373|  
 FD- DE 4334160 A1 G07B-015/00  
 FD- WO 9428511 A1 G07B-015/00  
 <DS> (National): AU BB BG BR BY CA CN CZ FI GE HU JP KG KP KR KZ LK LV MD MG MN MW NO NZ PL RO RU SD SI SK TJ UA US UZ VN  
 <DS> (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE  
 FD- AU 9466449 A G07B-015/00 Based on patent WO 9428511  
 FD- EP 700549 A1 G07B-015/00 Based on patent WO 9428511  
 <DS> (Regional): AT BE CH DE ES FR GB IT LI NL SE  
 FD- EP 700549 B1 G07B-015/00 Based on patent WO 9428511  
 <DS> (Regional): AT BE CH DE ES FR GB IT LI NL SE  
 FD- DE 59401961 G G07B-015/00 Based on patent EP 700549  
 Based on patent WO 9428511  
 FD- ES 2098936 T3 G07B-015/00 Based on patent EP 700549|  
 LA- DE 4334160(4); WO 9428511(G<PG> 10); EP 700549(G<PG> 1); EP 700549(G<PG> 5)|  
 DS- <NATIONAL> AU BB BG BR BY CA CN CZ FI GE HU JP KG KP KR KZ LK LV MD MG MN MW NO NZ PL RO RU SD SI SK TJ UA US UZ VN|  
 DS- <REGIONAL> AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; OA; PT; SE; LI|  
 AB- <BASIC> DE 4334160 A

A vehicle contains an arrangement for computing chargeable distances within a charging **zone** . In order to expand the system for operation in external **zones** , the on-board system communicates with units of a static computing system via transmitter and receivers (transceiver).

The on-board transceiver and static transceiver exchange data as soon as the vehicle passes a unit of the static computing system. The

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transmitter/receiver systems can operate at HF, by infrared or using ultrasound. Credit or payment cards whose value has been used up can be 're-filled' at rest stop pay stations.

USE/ADVANTAGE - For computing distances travelled by vehicle within charging **zone** . Can operate with external static systems as well as internal systems.

Dwg.0/0|

AB- <EP> EP 700549 B

Device for charging for the use of sections of road subject to tolls to be covered by a vehicle within a usage charging region N1, comprising a usage calculation device A in the form of an electronic device, a receiver for data for determining the geographical position of the vehicle, a storage unit for storing geographical positions which unequivocally characterised the individual sections of road of the usage **charging** region N1 subject to a **toll** , and comprising a computing unit which unequivocally recognises the use of sections subject to a toll by comparison of the vehicle position data by means of a decision algorithm and **enters** the charging of the respective section tariff on a storage medium carried therewith with a fee note, wherein the usage charging device A for the on-board usage charging in respect of use by the vehicle of sections of road subject to a toll in a second usage region N2 (outside N1), which is equipped with units of a stationary usage charging system B, just like the units of the stationary usage charging system B, is respectively coupled to wirelessly operating transmitting/receiving devices, which come into data-exchanging contact with one another as soon as the vehicle passes one unit of the stationary usage charging system B.

Dwg.0/0|

DE- <TITLE TERMS> TOLL; ROAD; COMPUTATION; ARRANGE; VEHICLE; INTERNAL; COMPUTATION; SYSTEM; WIRELESS; COMMUNICATE; LINK; HF; INFRARED; ULTRASONIC; UNIT; EXTERNAL; STATIC; SYSTEM|

DE- <ADDITIONAL WORDS> Credit;; memory; card|

DC- S02; T05|

IC- <MAIN> G07B-015/00|

IC- <ADDITIONAL> G01D-004/00; G07F-007/08|

MC- <EPI> S02-B12A; S02-K08B; T05-C03|

FS- EPI||

8/4/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

AA- 1992-358116/199244|

XR- <XRPX> N92-272910|

TI- Toll system for road vehicles - obtains individual data by monitoring speed of vehicle and compares with set limits to apply addition charges  
|

PA- ANT NACHRICHTENTECHNIK GMBH (AEGE )|

AU- <INVENTORS> WIECHMANN M|

NC- 001|

NP- 001|

PN- DE 4112472 A 19921022 DE 4112472 A 19910417 199244 B|

AN- <LOCAL> DE 4112472 A 19910417|

AN- <PR> DE 4112472 A 19910417|

FD- DE 4112472 A G07B-015/02|

LA- DE 4112472(3)|

AB- <BASIC> DE 4112472 A

The speed of each vehicle is monitored as it passes through a specific section. The measured speed values are compared with upper and lower limit values and, if outside the limits, the toll duty is

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increased.

Measured values and toll duty increases are signalled to the **toll payment** station and increases are automatically **entered** onto the ticket. Increases in the charge for being below the limit are made on the basis of vehicles travelling too slow in the outer **lanes** of a road.

ADVANTAGE - Stronger enforcement of speed limits.

Dwg.0/0|

DE- <TITLE TERMS> TOLL; SYSTEM; ROAD; VEHICLE; OBTAIN; INDIVIDUAL; DATA;  
MONITOR; SPEED; VEHICLE; COMPARE; SET; LIMIT; APPLY; ADD; CHARGE|  
DC- T01; T05; T07|  
IC- <MAIN> G07B-015/02|  
IC- <ADDITIONAL> G06F-015/48|  
MC- <EPI> T01-J05A1; T05-C03; T05-D02; T07-A01A1; T07-A03|  
FS- EPI||

**8/4/13 (Item 13 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 1992-058976/199208|

XR- <XRPX> N92-044755|

TI- IC card adaptor for automatic charging system - has power supply,  
communications processor, transmitter-receiver and device establishing  
contact-point coupling|

PA- MATSUSHITA ELEC IND CO LTD (MATU )|

AU- <INVENTORS> KAMATA G|

NC- 002|

NP- 003|

PN- GB 2247096 A 19920219 199208 B|

PN- GB 2247096 B 19941207 GB 9113634 A 19910625 199501

PN- US 5422473 A 19950606 US 91722678 A 19910624 199528

<AN> US 92919615 A 19920724|

AN- <LOCAL> GB 9113634 A 19910625; US 91722678 A 19910624; US 92919615 A  
19920724|

AN- <PR> JP 90173445 A 19900629|

FD- GB 2247096 B G07F-007/08

FD- US 5422473 A G07B-015/00 Div ex application US 91722678|

LA- GB 2247096(2); US 5422473(8)|

AB- <BASIC> GB 2247096 A

The IC card adapter (24) has a wireless communication function and/or an optical communication function enabling a contact-type IC card (27) to be used as an IC card of a non-contact type. The adapter is, for example, capable of identifying a vehicle approved for **entrance** into an automatic charging system and/or a security **zone** of a highway.

The adapter includes a power supply (35), a communication processing section (29), a transmission/reception section (34), and a device (33) for establishing a contact-point coupling with an IC card developing at least a portion of a function to read data from the card and to write data therein through a contact-type contact point.

ADVANTAGE - High reliability due to non contact operation.

Dwg.1/3|

AB- <GB> GB 2247096 B

A vehicle identification system comprising: a) a contact type IC card including a memory for storing at least information data indicating an identification number; b) an IC card adapter for mounting on a vehicle, said adapter including means for reading out said information data from said memory on said IC card; means for

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transmitting signals indicative of said information data and means for receiving signals transmitted to said adapter; c) IC card reader means, mounted on a roadway, said card reader means including means for receiving said signals transmitted from said adapter, reading said identification number contained in said information data and providing an output signal representing said identification number; d) a license plate identification means, mounted on the roadway, for reading a license plate number of a vehicle and providing an output signal representing said license plate number; e) a comparison/collation means for collating said output signal representing said identification number and said output signal representing said license plate number to provide a collation output signal indicating a coincidence collation result or a non-coincidence collation result; and f) a communication control means for receiving said collation output signal and for providing an output signal dependent upon whether the vehicle is recognised as valid or not.

Dwg.1/1|

AB- <US> US 5422473 A

The IC card adaptor includes a power supply, a communication processing section, a transmission/reception section, and a device for establishing a contact-point coupling with an IC card developing at least a portion of a function to read data from the card and to write data to the card through a contact-type contact point.

An automatic roadway **toll charging** system employs such an IC card and IC card adaptor, as well as a card reader unit, a license plate identification unit, a comparison/collation unit, and a fee calculation unit to verify proper vehicle passage onto a roadway and calculate a required fee. A vehicle security system is disclosed which verifies proper vehicle passage into a security area.

ADVANTAGE - Enables contact-type IC card to be used as IC card of non-contact type.

Dwg.3/3|

DE- <TITLE TERMS> IC; CARD; ADAPT; AUTOMATIC; CHARGE; SYSTEM; POWER; SUPPLY  
; COMMUNICATE; PROCESSOR; TRANSMIT; RECEIVE; DEVICE; ESTABLISH; CONTACT  
; POINT; COUPLE|

DC- T05; T07|

IC- <MAIN> G07F-007/08|

IC- <ADDITIONAL> G07B-015/00|

MC- <EPI> T05-C03; T05-D02; T07-A03|

FS- EPI||

**8/4/14 (Item 14 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 1991-059241/199109|

XR- <XRPX> N91-045918|

TI- Optical communication for road vehicle and fixed station - has  
bi-directional units located in vehicles and on gantries over road|

PA- SIEMENS AG (SIEI )|

AU- <INVENTORS> ENGELMANN G|

NC- 012|

NP- 004|

PN- EP 413948 A 19910227 EP 90113494 A 19900713 199109 B|

PN- EP 413948 B1 19950322 EP 90113494 A 19900713 199516

PN- DE 59008747 G 19950427 DE 508747 A 19900713 199522

<AN> EP 90113494 A 19900713

PN- ES 2069636 T3 19950516 EP 90113494 A 19900713 199526|

AN- <LOCAL> EP 90113494 A 19900713; EP 90113494 A 19900713; DE 508747 A

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19900713; EP 90113494 A 19900713; EP 90113494 A 19900713|  
 AN- <PR> EP 89115386 A 19890821|  
 CT- 1.Jnl.Ref; DE 3718642; FR 558100; US 4325146|  
 FD- EP 413948 A  
 <DS> (Regional): AT BE CH DE ES FR GB IT LI NL SE  
 FD- EP 413948 B1 H04B-010/10  
 <DS> (Regional): AT BE CH DE DK ES FR GB IT LI NL SE  
 FD- DE 59008747 G H04B-010/10 Based on patent EP 413948  
 FD- ES 2069636 T3 H04B-010/10 Based on patent EP 413948|  
 LA- EP 413948(G<PG> 21)|  
 DS- <REGIONAL> AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE; DK|  
 AB- <BASIC> EP 413948 A

The optical data transmission for use between a fixed motorway location (MS) and moving vehicles has transmitter/receiver units (SE1-SE7) positioned on a gantry over each motorway **lane**. Each unit has a lens and mask that directs signals to a photo diode array. The effective receives planes (F11-F22) relative to the motorway surface are set to suit the location of transmitter/receivers on different vehicles. For example, a difference in level with **exits** for private cars in comparison to commercial lorries.

Each vehicle unit has a memory data card that allows tariffs or **toll charges** to be remotely applied.

USE/ADVANTAGE - Provides optical communication link for range of vehicles.

Dwg.3/15|

AB- <EP> EP 413948 B

System for optical data transmission between a fixed-position station (P) which is provided in the **zone** of a roadway (RB), and individual passing vehicles, in the case of which system at least one transmitting device (S) having a light-transmitter arrangement and/or at least one receiving device (E) having a light receiver arrangement is provided in each case in the station above the roadway on the one hand and in the vehicle on the other hand, an optical device (L), which images the region of movement of the passing vehicles onto an image plane (A3) lying in front of the light transmitter arrangement or the light receiver arrangement respectively, in each case being provided in the fixed-position transmitting device or receiving device (SE1...SE7) respectively, characterized in that one or more masks (M) are provided with a number of shutter opening (B1,B2) which are used for the purpose of defining separate active areas (F21,F22), one active area (DS) being formed for the transmitting device and two separate active areas (DF,QF) being formed for the receiving device, in that the shutter openings define separate radiation **zones** (SBD,EBD and EBQ) for the transmitting device and the receiving device, data being transmitted between the station (P) and a vehicle transmitting and receiving device (FSE), in the context of dialogue traffic or by means of an acknowledgement signal within the radiation **zones** provided for this purpose, and in that terminating edges of the shutter opening of the transmitting device are formed in such a manner that an active area (DS) is produced which has sharp edges (KP1,KP5) transversely with respect to the direction of movement, on the basis of which active area (DS) at least the end of the radiation **zone** (SBD) of the transmitting device is detected by an abrupt receiving level jump in the vehicle transmitting and receiving device (FSE) and in consequence causes said device to emit the acknowledgement signal.

(Dwg.4/15|

DE- <TITLE TERMS> OPTICAL; COMMUNICATE; ROAD; VEHICLE; FIX; STATION; BI; DIRECTION; UNIT; LOCATE; VEHICLE; GANTRY; ROAD|  
 DC- Q71; T07; W02; X22|  
 IC- <ADDITIONAL> F21M-003/14; G08G-001/09; H04B-010/10|  
 MC- <EPI> T07-X; W02-C04; X22-X|

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FS- EPI; EngPI||

8/4/15 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

AA- 1986-057418/198609|  
XR- <XRPX> N86-041967|  
TI- Automated remote toll collection on road - using electromagnetic  
communication with passing vehicles so as to gather toll data from  
which the billing is prepared|  
PA- BARBIEUX P (BARB-I)|  
AU- <INVENTORS> BARBIEUX P|  
NC- 001|  
NP- 001|  
PN- FR 2567664 A 19860117 FR 8410924 A 19840710 198609 B|  
AN- <LOCAL> FR 8410924 A 19840710|  
AN- <PR> FR 8410924 A 19840710|  
FD- FR 2567664 A |  
LA- FR 2567664(13)|  
AB- <BASIC> FR 2567664 A

Roadside mounted beacons or antennae are laid under the road to permit communication with a suitably equipped vehicle by electromagnetic signals. As a vehicle approaches a controlled **zone** the toll information is delivered to the vehicle and is displayed for the driver to see. If the driver wishes to **pay** the **toll** this is communicated from the vehicle to the roadside detectors.

The entry and **exit** points of the vehicle are recorded and from this the distance travelled over the various regions is obtained to calculate the charge. The charging information is collected and presented as a monthly billing to the driver.

USE/ADVANTAGE - Permits monitoring of vehicles as they pass to gather road usage information allowing toll to be collected without stopping vehicle|

DE- <TITLE TERMS> AUTOMATIC; REMOTE; TOLL; COLLECT; ROAD; ELECTROMAGNET;  
COMMUNICATE; PASS; VEHICLE; SO; GATHER; TOLL; DATA; BILL; PREPARATION|  
DC- T05|  
IC- <ADDITIONAL> G07B-015/00|  
MC- <EPI> T05-C|  
FS- EPI||

8/4/16 (Item 1 from file: 347)  
FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- TOLL COLLECTION SYSTEM, ON-VEHICLE EQUIPMENT, AND METHOD FOR COLLECTING  
TOLL  
PN- 2003-123109 -JP 2003123109 A-  
PD- April 25, 2003 (20030425)  
AU- NAITO CHIORI  
PA- TOSHIBA CORP  
AN- 2001-317305 -JP 20011317305-  
AN- 2001-317305 -JP 20011317305-  
AD- October 15, 2001 (20011015)  
G07B-015/00; G06F-017/60; G08G-001/00; G08G-001/01; H04B-007/26  
AB- PROBLEM TO BE SOLVED: To **charge** a vehicle having traveled a **toll**  
road so as to evade a traffic jam section with a discount toll by  
using an ETC system. SOLUTION: The ETC system 2 detects a vehicle 12  
trying to **leave** a toll road 30 from a tollgate existing this side  
of the traffic jam area and writes a jam evading flag in an IC card

*bad date*

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inserted into on-vehicle equipment 14 of the vehicle 12 through an **exit lane** control device 24. When the vehicle 12 **entering** the toll road 30 from a reentry-enabled tollgate exceeding the jam section is detected and the jam evading flag is read out from the IC card 10, the read flag is updates as a jam discount flag through an **entrance lane** control device 22. When the vehicle trying to **leave** the toll road 30 from a tollgate ahead of the reentry-enabled tollgate is detected and the jam discount flag is read out from the IC card 10, a discount charge is applied to the vehicle 12. COPYRIGHT: (C)2003,JPO

8/4/17 (Item 2 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- TOLL COLLECTION/RECEPTION SYSTEM  
PN- 2003-058921 -JP 2003058921 A-  
PD- February 28, 2003 (20030228)  
AU- HISHIKAWA SHIGEHIO  
PA- MITSUBISHI HEAVY IND LTD  
AN- 2001-251013 -JP 20011251013-  
AN- 2001-251013 -JP 20011251013-  
AD- August 22, 2001 (20010822)  
G07B-015/00; H04B-007/26  
AB- PROBLEM TO BE SOLVED: To provide a toll collection/reception system capable of reducing the number of antennas on the side of roadside equipment and adaptive to even a toll gate installed inside a building conveniently. SOLUTION: An antenna 3 of the roadside equipment is installed in front of the toll gates 2, vehicle number readers 9a to 9c are installed to the respective traffic **lanes** 8a to 8c of the **toll** gates 2, a **charging** processing specifying vehicle numbers by radio communication via the antenna 3 in front of the toll gates 2 and on the other hand, when the vehicle numbers recognized by the vehicle number readers 9a to 9c at the toll gates 2 coincide with the ones charged by the ratio communication, a vehicle 1 that **enters** the toll gate 2 is discriminated to be **charged** and allowed to pass the **toll** gate 2. COPYRIGHT: (C)2003,JPO

8/4/18 (Item 3 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- TOLL COLLECTING SYSTEM, ON-VEHICLE UNIT, IC CARD, TOLL COLLECTING METHOD  
PN- 2002-216182 -JP 2002216182 A-  
PD- August 02, 2002 (20020802)  
AU- ONUMA YOSHITSUGU  
PA- TOSHIBA CORP  
AN- 2001-006893 -JP 20011006893-  
AN- 2001-006893 -JP 20011006893-  
AD- January 15, 2001 (20010115)  
G07B-015/00  
AB- PROBLEM TO BE SOLVED: To promote the use of an on-vehicle unit and a system by discounting the toll of a toll road in the utilization of particular application in the ETC system taking the **charging** form of a uniform **toll** . SOLUTION: The ETC system is provided with an antenna device 42 which is installed in a tollgate through which a vehicle **enters** or **leaves** a toll road and obtains information on the tollgate which is used previous time from the ETC on-vehicle unit loaded on the vehicle, a tollgate range table 30 storing information



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on a discount valid range with the tollgate (self-tollgate) of this time of the toll road as a basic point and a **lane** controller 41 checking the range where discount on the use toll is validated based on information on the tollgate of the discount valid range, which is stored in the tollgate range table 30, and on tollgate information which is obtained from the ETV on-vehicle unit through the antenna device 42 and which is used previous time and performing **charging** by discounting a **toll** when it is confirmed that the range is the discount valid range. COPYRIGHT: (C)2002,JPO

8/4/19 (Item 4 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- NAVIGATION SYSTEM AND RECORDING MEDIUM  
PN- 2002-208048 -JP 2002208048 A-  
PD- July 26, 2002 (20020726)  
AU- YASUDA SHIGERU  
PA- KENWOOD CORP  
AN- 2001-002776 -JP 20011002776-  
AN- 2001-002776 -JP 20011002776-  
AD- January 10, 2001 (20010110)  
G07B-015/00; G01C-021/00; G06F-017/60; G08G-001/137  
AB- PROBLEM TO BE SOLVED: To provide a navigation system capable of providing correct toll information by updating information stored in a database to the latest information. SOLUTION: A navigation system 1 is constituted so that information related with the collection of toll can be transmitted or received through radio communication between electronic equipment set at a toll booth and an ETC unit 111, and when a toll road is included in a recommended route retrieved by a navigation function, the toll is calculated based on the toll information stored in a database 105 so as to be updated. Then, the **toll** to be **charged** is received from electronic equipment set at an **exit** toll both, and when the calculated **toll** is different from the **charged toll**, the **toll** information stored in a database 105 is updated based on the **charging** information (transit **zone**, **toll**, and transit date) inputted from the ETC unit 111. COPYRIGHT: (C)2002,JPO

8/4/20 (Item 5 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- CHARGE PAYMENT DEVICE AND CHARGE PAYMENT GUIDE METHOD  
PN- 2002-008076 -JP 2002008076 A-  
PD- January 11, 2002 (20020111)  
AU- YOKOYAMA KENJI  
PA- PIONEER ELECTRONIC CORP  
AN- 2000-183369 -JP 2000183369-  
AN- 2000-183369 -JP 2000183369-  
AD- June 19, 2000 (20000619)  
G07B-015/00; G08G-001/017; G08G-001/09; G01C-021/00  
AB- PROBLEM TO BE SOLVED: To provide a charge payment device or the like capable of executing manual charge payment smoothly by calling user's attention, when a vehicle equipped with an on-vehicle machine for executing charge automatic payment passes a manual payment **lane**. SOLUTION: In the navigation system of a vehicle running on a **toll** road, when **charge payment** by an ETC antenna is executed normally (step S25; yes) in the state where the vehicle **enters** an outlet tollbooth, the paid charge at that time is guided by voice (step

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S26). When the charge payment by the ETC antenna is not executed (step S25; NO), manual delivery of an IC card to a person in charge is guided by voice or a screen (step S27). When the vehicle has passed a manned booth or an ETC booth in the state where the charge is unpaid (step S28-S31), various guides for notifying that the charge is unpaid are executed (step S32). COPYRIGHT: (C)2002,JPO

8/4/21 (Item 6 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- SYSTEM AND METHOD FOR **CHARGING TOLL OF TOLL ROAD**  
PN- 2001-319254 -JP 2001319254 A-  
PD- November 16, 2001 (20011116)  
AU- DAIKYO TORU; SUMIDA SHIGEYOSHI  
PA- NEC CORP; NEC SYSTEM INTEGRATION & CONSTRUCTION LTD  
AN- 2000-135185 -JP 2000135185-  
AN- 2000-135185 -JP 2000135185-  
AD- May 08, 2000 (20000508)  
G07B-015/00  
AB- PROBLEM TO BE SOLVED: To provide a system for **charging** the **toll** of **toll**. read by which the cost is reduced without imposing a new burden on user, which has a congestion relaxing effect, and by which time and labor of user can be saved as well. SOLUTION: Dedicated radio base stations 12 and 14 having an extremely small serviceable areas are installed closely to a dedicated **entrance** gate 11 and a dedicated **exit** gate 13. When a portable telephone set **enters** the call enable area of the dedicated radio base station, the change of a radio **zone** is judged and the registration of a position is requested. The dedicated radio base station sends the position registration request to a home location register(HLR)16 together with special positional information assigned to its own station. In response to the position registration request from the **entrance** dedicated radio base station 12, the HLR stores the position of **entering** to a expressway and in response to the position registration request from the **exit** dedicated radio base station 14, the HLR stores the position of **leaving** from the expressway. On the basis of the **entering** and **leaving** positions reported from the HLR, a toll processor 17 calculates the toll and integrates it to a service tariff. COPYRIGHT: (C)2001,JPO

8/4/22 (Item 7 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- SYSTEM AND METHOD FOR COLLECTING TOLL AND ON-VEHICLE EQUIPMENT  
PN- 2001-093011 -JP 2001093011 A-  
PD- April 06, 2001 (20010406)  
AU- HASEGAWA MASAYUKI  
PA- TOSHIBA CORP  
AN- 11-264627 -JP 99264627-  
AN- 11-264627 -JP 99264627-  
AD- September 17, 1999 (19990917)  
G07B-015/00  
AB- PROBLEM TO BE SOLVED: To allow the **toll** collecting system of a **pay** road to deal with various payment forms which are predicted in the future. SOLUTION: This toll collecting system is provided with an **exit lane** controller 52 for collecting toll to be imposed on vehicle 20 which uses a pay road based on information from an IC card mounted on an on-vehicle equipment 6 loaded on the vehicle 20. The

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on-vehicle equipment 6 is provided with a division button 93 for instructing divided payment based on the information of the IC card and another payment method and an on-vehicle antenna 14 for informing the **exit lane** controller 52 that the division button 93 is pressed through radio communication. The **exit lane** controller 52 receives the information of the divided payment from the on-vehicle 6 by a third antenna 12, and collects the charge to be imposed on the vehicle 20 by the payment method divided into the IC card payment method and another payment method. COPYRIGHT: (C)2001,JPO

8/4/23 (Item 8 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- RADIO CHARGE COLLECTION SYSTEM  
PN- 2000-048230 -JP 2000048230 A-  
PD- February 18, 2000 (20000218)  
AU- NAITO KAZUTOSHI  
PA- TOSHIBA CORP  
AN- 10-211189 -JP 98211189-  
AN- 10-211189 -JP 98211189-  
AD- July 27, 1998 (19980727)  
G07B-015/00; G06F-017/60  
AB- PROBLEM TO BE SOLVED: To protect data during communication and to prevent the data from being fraudulently altered in the case of calculating the toll of a vehicle by radio communication at a tollgate of a toll road. SOLUTION: This radio **charge** collection system which collects the **toll charge** of a **toll** road on which a vehicle runs by radio communication with on-vehicle equipment 1 mounted on the vehicle is equipped with an **entrance lane** equipment 40 which transmits **entrance** information indicating the **entrance** and an identifier (MAC) generated by enciphering the **entrance** information by a specified parameter (key) K1 at the **entrance** of the toll road to the on- vehicle equipment and an **exit lane** equipment 50 for confirming propriety of identifier (MAC) received from the on-vehicle equipment on the basis of the parameter (key) K1. COPYRIGHT: (C)2000,JPO

8/4/24 (Item 9 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- AUTOMATIC **TOLL ROAD CHARGE** COLLECTION SYSTEM  
PN- 11-288472 -JP 11288472 A-  
PD- October 19, 1999 (19991019)  
AU- UENO SHINICHIRO; MAEDA KENICHI; HASEGAWA MAKOTO  
PA- MATSUSHITA ELECTRIC IND CO LTD  
AN- 10-089936 -JP 9889936-  
AN- 10-089936 -JP 9889936-  
AD- April 02, 1998 (19980402)  
G07B-015/00; G06F-017/60; H04L-012/28  
AB- PROBLEM TO BE SOLVED: To improve the reliability of communication by performing radio communication between a road side equipment installed at a toll road **entrance** side or **exit** side or on a traveling traffic **lane** and an on-vehicle equipment thereby charging the charge corresponding to passage. SOLUTION: A radio wave arriving direction detecting device 8 for detecting the transmitting direction of a radio wave from an on-vehicle equipment by using a communication request signal being a radio wave transmitted from the on-vehicle equipment is arranged near a road side equipment 3, and the radio

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wave arriving direction is detected in a timing synchronizing with the signal processing of the road side equipment 3 so that the traveling traffic line of a vehicle on which the on-vehicle equipment is mounted can be recognized by the road side equipment 3. Then, only the on-vehicle equipment traveling in the communication **zone** of the road side equipment 3, and the transfer of information related with the passage fee is operated between the road side equipment 3 and the on-vehicle equipment. Thus, the reliability of communication between the on-vehicle equipment 3 and the road side equipment can be improved. COPYRIGHT: (C)1999,JPO

8/4/25 (Item 10 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- CHARGE COLLECTING SYSTEM FOR TOOL ROAD  
PN- 11-242761 -JP 11242761 A-  
PD- September 07, 1999 (19990907)  
AU- YAMAMOTO YOSHINORI  
PA- MITSUBISHI HEAVY IND LTD  
AN- 10-042174 -JP 9842174-  
AN- 10-042174 -JP 9842174-  
AD- February 24, 1998 (19980224)  
G07B-015/00; G07B-015/00  
AB- PROBLEM TO BE SOLVED: To easily attain the collection processing of a traffic charge for 'detour traveling', 'orbital traveling', and 'J turn traveling' or the like by using an IC card. SOLUTION: This is the **charge** collection system of a **toll** road using an IC card having a paying function and a passage ticket function, and a traffic **lane** controller 21 equipped with an IC card reader/writer 22 and a charge/ passing time table 24 is provided at each toll booth. All **entrance** i/c No. and barrier toll booth No. are stored in the charge/passing time table 24, and a required passing time, passage charge for each vehicle classification, detour traveling flag, orbital traveling flag, and J turn flag are added to each **entrance** i/c No. and barrier toll booth No. At the barrier toll booth and an **exit** toll booth, the passage route information recorded in/an IC card 30 of a user is compared with the stored content of the charge passing time table 24, and the detour traveling, orbital traveling, and J turn traveling is checked from each flag so that a charge collection processing can be attained. COPYRIGHT: (C)1999,JPO

8/4/26 (Item 11 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- ON-VEHICLE DEVICE, TOLL COLLECTION SYSTEM USING THIS ON-VEHICLE DEVICE AND ITS PROCESSING METHOD  
PN- 10-134217 -JP 10134217 A-  
PD- May 22, 1998 (19980522)  
AU- NAITO KAZUTOSHI; FUKAZAWA KAZUO; KAWAMURA SHINICHI; KITAORI MASASHI  
PA- TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)  
AN- 08-292672 -JP 96292672-  
AN- 08-292672 -JP 96292672-  
AD- November 05, 1996 (19961105)  
IC- -6- G07B-015/00  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 26.2 (TRANSPORTATION -- Motor Vehicles)  
AB- PROBLEM TO BE SOLVED: To stop payment through the use of an on-vehicle device according to the desire of a user by providing a key for temporarily stopping adjustment by the on-vehicle device so as to

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allow the user to change to a paying form excepting for the radio-type on-vehicle device for **paying** and receiving the **toll** .

SOLUTION: The on-vehicle device 3 is provided with a payment releasing key 63 for releasing a paying form by this on-vehicle device 3. At an **exit lane** , a vehicle detecting device 51 detects the **entrance** of a vehicle to transmit the detection of **entrance** to a control part 50, which controls a third antenna 37 and starts communication inquiry to the on-vehicle device. When the key 63 is turned on to make an answer prohibiting state in spite of recognizing an inquiry from an output **lane** , CPU 76 of the device 3 does not answer any signal to the part 50. As the answer from the device 3 is not generated, the part 50 judges that the **entering** vehicle does not load the device 3 (non ETC vehicle) to execute the **toll paying** /receiving processing by a normal passing ticket.

8/4/27 (Item 12 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- METHOD FOR COLLECTING CHARGE AND DEVICE THEREFOR  
PN- 10-079062 -JP 10079062 A-  
PD- March 24, 1998 (19980324)  
AU- TAKAYAMA NAOHISA; YAMAZAKI HIROSHI  
PA- MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation),  
JP (Japan)  
AN- 08-233262 -JP 96233262-  
AN- 08-233262 -JP 96233262-  
AD- September 03, 1996 (19960903)  
IC- -6- G07B-015/00; G07B-015/00  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines)  
AB- PROBLEM TO BE SOLVED: To cancel **exit** congestion, and to efficiently attain charge collection by calculating the rate of automatic charge collectable vehicles or automatic **charge** incollectable vehicles passing through a **toll** gate for a constant time, and switching the collecting method at the toll gate.

SOLUTION: Automatic charge incollectable vehicles are counted by a rate calculating device 2, and when the rate of the automatic charge incollectable vehicles is calculated as, for example, 80 percent, a control signal is transmitted to a collecting method designating means for controlling a third traffic **lane** gate 18 to operate charge collection for the automatic charge incollectable vehicle by stopping the charge collection by an automatic charge collecting device 15, and starting the charge collection by a charge collecting device 16 for the automatic charge incollectable vehicles by a controller 6. Also, a control signal is transmitted to a guide display device 5 before a toll gate for additionally displaying the third traffic **lane** gate 18 when the automatic charge incollectable vehicle is detected by a before-toll gate vehicle detecting and discriminating device 4.

8/4/28 (Item 13 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- NONSTOP **TOLL PAYMENT** SYSTEM FOR **TOLL ROAD**  
PN- 09-185737 -JP 9185737 A-  
PD- July 15, 1997 (19970715)  
AU- TAMOTO YOSHITOSHI; NISHIO MASAHIRO; SUGIMOTO ATSUO

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PA- SUMITOMO ELECTRIC IND LTD [000213] (A Japanese Company or Corporation),  
JP (Japan)  
AN- 08-001033 -JP 961033-  
AN- 08-001033 -JP 961033-  
AD- January 08, 1996 (19960108)  
IC- -6- G07B-015/00; G07B-015/00; G06F-017/60; H04L-009/32  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.3  
(COMMUNICATION -- Telegraphy); 45.4 (INFORMATION PROCESSING --  
Computer Applications)  
KW- R011 (LIQUID CRYSTALS)  
AB- PROBLEM TO BE SOLVED: To allow a vehicle to pass through a toll road  
**entrance** without stopping by transmitting vehicle-stop charge  
adjustment indication information to an on-vehicle machine when  
vehicle-stop charge adjustment is needed.

SOLUTION: A roadside machine 1g receives discrimination information  
such as balance information, vehicle kind classification information,  
and vehicle number information of a card which are sent from the  
on-vehicle machine and stores them in the internal memory of a  
communication control part. Then the balance of the card is checked  
and when the balance is not large enough to pass through the toll  
road, the on-vehicle machine is made to write a message of the  
deficiency in balance through a 1st antenna 1c and after the vehicle  
**leaves** a 1st **zone** Z(sub 1), a vehicle-stop toll adjustment  
necessity information 'Please pass, but stop the vehicle at an **lexit**  
and adjust the toll.' is displayed on a guide display board 1h. The  
driver when **entering** a 2nd **zone** Z(sub 2) on looking at the  
display makes the on-vehicle machine writes the necessity of  
vehicle-stop toll adjustment and drives the vehicle through. The  
indication of the need for vehicle-stop toll adjustment is displayed  
on the liquid crystal display part of the on-vehicle machine 2 for a  
certain time after the vehicle passes through the **entrance** .

8/4/29 (Item 14 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- VEHICLE DETECTOR  
PN- 08-202903 -JP 8202903 A-  
PD- August 09, 1996 (19960809)  
AU- KONISHI MASAYOSHI; NAKAYAMA HIROYUKI  
PA- MITSUBISHI HEAVY IND LTD [000620] (A Japanese Company or Corporation),  
JP (Japan)  
AN- 07-008822 -JP 958822-  
AN- 07-008822 -JP 958822-  
AD- January 24, 1995 (19950124)  
IC- -6- G07B-015/00  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines)  
AB- PURPOSE: To precisely detect vehicle without being influenced by shadow  
in respect to a vehicle detector in **charge** receiving system of  
**toll** road.

CONSTITUTION: When a vehicle traveling on a road 6 **enters** a gantry  
2, color marking 7 of red and green periodically drawn crossing  
**lanes** is picked up by a one-dimensional color image pickup machine 1  
fixed to the gantry 2, its signal is inputted to a signal processor 5  
through a cable 4 and the periodicity of the signal is checked based  
upon the light quantity signals of red and green and a reference  
signal. Since the periodicity of the color marking 7 is changed when  
a vehicle passes over the color marking 7, the entry, passage and

width of the vehicle can be detected.

**8/4/30 (Item 15 from file: 347)**

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- **TOLL ROAD CHARGE COLLECTION SYSTEM**  
PN- 08-096187 -JP 8096187 A-  
PD- April 12, 1996 (19960412)  
AU- MATSUHASHI HISAHIRO  
PA- FUNAI DENKI KENKYUSHO KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
AN- 06-253042 -JP 94253042-  
AN- 06-253042 -JP 94253042-  
AD- September 21, 1994 (19940921)  
IC- -6- G07B-015/00; G07B-015/00; G06F-017/60  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.4 (INFORMATION  
PROCESSING -- Computer Applications)  
AB- PURPOSE: To efficiently perform settlement and fare collection by  
making a radio communication between a mobile terminal which is  
mounted on a vehicle passing or approaching a toll gate and to which  
an IC card is connected and a fixed terminal arranged on the **toll**  
gate side, and collecting the **charge** for the passage of the **toll**  
road.

CONSTITUTION: A 2nd antenna 5 for electromagnetic wave transmission  
and reception sends and receives data for the registration of data  
required to pass the toll road and the settlement of the **charge** for  
passing the **toll** road to and from the vehicle 80 on which the  
specific terminal 52 given a use channel and process number data is  
mounted. A vehicle travel/vehicle kind discrimination part 59 is  
provided with a decision device 58 so as to detect the kind of a  
vehicle passing the travel **lane** 57 of the toll gate and a vehicle  
**entering** the toll gate. A toll gate computer 61 registers the data  
required to pass the **toll** road and settles the **charge**, and a  
communication line 62 sends data for the transmission and reception  
of data to and from an adjacent toll gate.

**8/4/31 (Item 16 from file: 347)**

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- **TOLL RECEIVING SYSTEM**  
PN- 08-069598 -JP 8069598 A-  
PD- March 12, 1996 (19960312)  
AU- IIZUKA KENJI; MORISHITA KEIICHI; KATO MASAKI; YAMAMOTO KIMIYUKI  
PA- MITSUBISHI HEAVY IND LTD [000620] (A Japanese Company or Corporation),  
JP (Japan)  
AN- 06-203680 -JP 94203680-  
AN- 06-203680 -JP 94203680-  
AD- August 29, 1994 (19940829)  
IC- -6- G08G-001/056; G01S-013/76; G07B-015/00  
CL- 22.3 (MACHINERY -- Control & Regulation); 29.4 (PRECISION INSTRUMENTS  
-- Business Machines); 44.9 (COMMUNICATION -- Other)  
AB- PURPOSE: To provide the **toll** receiving system which normally **charges**  
vehicles running in the forward direction but surely prevents  
vehicles running in the opposite **lane** from being charged.

CONSTITUTION: First and second antennas 9 to 12 are installed in the  
vicinity of a tollhouse in going directions of vehicles 2, and the

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charges are received without contacting by radio communication between these antennas and machines 21 mounted on vehicles 2. Information including different antenna numbers are transmitted from first antennas 9 and 11 and second antennas 10 and 12, and the machine 21 on each vehicle receives the transmission signals from antennas 9 to 12 and recognizes the first antenna or the second antenna, whose communication area the vehicle first **enters**, by antenna numbers; and if the vehicle is running in the opposite **lane**, a reverse flag is set to prevent this vehicle from being charged. The machine 21 on the vehicle measures the time, when the reverse flag is set, by a timer; and when a certain time elapses or the vehicle **enters** the communication area of tollhouse antennas having different place information, the reverse flag is reset to set the communicatable state.

8/4/32 (Item 17 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- CHARGE COLLECTING FACILITY  
PN- 06-243315 -JP 6243315 A-  
PD- September 02, 1994 (19940902)  
AU- YAITA KOICHI; INOUE KATSUAKI; MIYAMURA YOSHIYASU  
PA- OMRON CORP [000294] (A Japanese Company or Corporation), JP (Japan)  
AN- 05-023870 -JP 9323870-  
AN- 05-023870 -JP 9323870-  
AD- February 12, 1993 (19930212)  
IC- -5- G07B-015/00; G08G-001/017; G08G-001/04; G08G-001/09  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 22.3 (MACHINERY -- Control & Regulation); 36.4 (LABOR SAVING DEVICES -- Service Automation)  
SO- Section: P, Section No. 1836, Vol. 18, No. 631, Pg. 80, November 30, 1994 (19941130)  
AB- PURPOSE: To provide the **toll** collecting facility for efficiently collecting **charge** without any confusion in various cases at a road provided with a manned **lane** and an unmanned **lane**.

CONSTITUTION: Gates G1 and G2 are provided at the **entrance** and **exit** of an unmanned **lane** 2, and the gates G1 and G2 can be opened/closed from a manned booth 3. When collecting the charge while using both of a manned **lane** 1 and the unmanned **lane** 2, the gates G1 and G2 are opened. When the charge is collected at a main booth 7 of the unmanned **lane** 2, the vehicle straightly moves corresponding to signal lamps S1 and S1' or the like and is guided to the **exit** into a general road, but when the charge is not collected, the gate G1 is closed and the vehicle is guided from a communication part 6 to the manned booth 3 corresponding to the signal lamps S1 and S1'.

8/4/33 (Item 18 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- AUTOMATIC CHARGE COLLECTION SYSTEM  
PN- 06-089381 -JP 6089381 A-  
PD- March 29, 1994 (19940329)  
AU- TOMINAKA SHIYOUZOU  
PA- MEIDENSHA CORP [000610] (A Japanese Company or Corporation), JP (Japan)  
AN- 04-238755 -JP 92238755-  
AN- 04-238755 -JP 92238755-  
AD- September 08, 1992 (19920908)



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IC- -5- G07B-015/00; G06F-015/21  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 36.4 (LABOR SAVING DEVICES -- Service Automation); 45.4 (INFORMATION PROCESSING -- Computer Applications)  
KW- R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)  
SO- Section: P, Section No. 1764, Vol. 18, No. 353, Pg. 53, July 04, 1994 (19940704)  
AB- PURPOSE: To eliminate the need to stop an automobile for charge collection and the passing and collection of a ticket at an **entrance** and an edit of a toll road.

CONSTITUTION: The automobile which utilizes the toll road is provided with a body code display plate for a discrimination number and a password number specifying the automobile, and the body code of the automobile which passes the priority **lane** 2(sub 1) at a toll gate 1 is read by display control with a transmitter 4 and a reader 5. A terminal device 6 checks up and confirms the read body code by using body codes registered in a host computer 7A and collects the charge from the account, etc., of the registered user of the automobile when the body code is confirmed. From an unregistered automobile or unconfirmed automobile, the **charge** is collected at a manned **toll** gate window 9.

8/4/34 (Item 19 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- **CHARGE** RECEIVING DEVICE OF **TOLL** ROAD  
PN- 59-043464 -JP 59043464 A-  
PD- March 10, 1984 (19840310)  
AU- TACHIBANA SHINICHI; UEHARA HIDEO  
PA- MITSUBISHI HEAVY IND LTD [000620] (A Japanese Company or Corporation), JP (Japan)  
AN- 57-153422 -JP 82153422-  
AN- 57-153422 -JP 82153422-  
AD- September 03, 1982 (19820903)  
IC- -3- G06F-015/20  
CL- 45.4 (INFORMATION PROCESSING -- Computer Applications)  
SO- Section: P, Section No. 284, Vol. 08, No. 144, Pg. 132, July 05, 1984 (19840705)  
AB- PURPOSE: To realize labor-saving service, by providing a detector for the number of shafts and the number of wheels at an **entrance** gate for vehicles and deciding on the kind of a vehicle, and issuing a passage ticket for an ordinary automobile automatically and a corresponding passage ticket for a special vehicle only by the visual judgement of a staff in charge.

CONSTITUTION: **Entrance** gates of a toll road is classified by a manned **lane** A and an unmanned **lane** B; and the detector 11 for the number of shafts and the number of wheels and vehicle separators 12 and 13 consisting of photocouplers are provided for the unmanned **lane** B to detect the passage and kind of a vehicle. An automatic passage ticket issuing machine 14 issues the passage ticket for an ordinary automobile automatically for a two-shaft, four-wheel automobile. When a large-sized vehicle larger than ordinary automobiles is detected, the staff in charge decides on the kind of the vehicle visually and presses a button of a passage ticket issuing machine 14 to issue a corresponding passage ticket from an issuing slit of height corresponding to the kind of the vehicle. On the manned **lane** A, a passage ticket corresponding to the kind of a

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vehicle discriminated visually by the staff in charge is issued manually. Thus, labor- saving service is realized and passage tickets classified by the kind of vehicles are issued with high precision.

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File 344:Chinese Patents Abs Aug 1985-2003/Mar

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File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)

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File 371:French Patents 1961-2002/BOPI 200209

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Set	Items	Description
S1	1995	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	1	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE- RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1- W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN- ING)
S4	1	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W- ) (TWICE OR MORE()THAN()ONCE)
S5	20138	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONL- Y)
S6	5852	TOLL OR TOLLS
S7	5	S1 AND S5
S8	4	S1(S)S5
S9	1	S3 OR S4
S10	0	S6 AND S8
S11	0	S10 NOT S9
S12	294	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	1	(S1 OR S3 OR S4 OR S5) (3S)S12
S14	1	S13 NOT (S3:S4 OR S9:S11)
S15	1	S13 OR S14

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? t15/3,k/all

15/3,K/1 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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03798583 \*\*Image available\*\*

PASSAGE TICKET PROCESSOR

PUB. NO.: 04-163683 [JP 4163683 A]

PUBLISHED: June 09, 1992 (19920609)

INVENTOR(s): IWASE ISAO

APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)

APPL. NO.: 02-288559 [JP 90288559]

FILED: October 29, 1990 (19901029)

JOURNAL: Section: P, Section No. 1427, Vol. 16, No. 460, Pg. 86,  
September 24, 1992 (19920924)

ABSTRACT

...CONSTITUTION: At the **exit** of a **highway**, etc., the passage ticket issued at an entrance is inserted into a passage ticket insertion...

... part 2, and the ticket is conveyed to an escrow part 8. This passage ticket **is** held **once** at the escrow part 8, and the information recorded on the passage ticket is confirmed...

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(c) 2003 The Dialog Corporation  
File 993:NewsRoom 2002/  
(c) 2003 The Dialog Corporation  
File 994:NewsRoom 2001  
(c) 2003 The Dialog Corporation  
? ds

Set	Items	Description
S1	132	(TRACK? OR MONITOR? OR DETECT?) (5N) (CHANGE? OR CHANGING OR VEER? OR SWERV?) (3N) (ROAD? ? OR LANE? ? OR ZONE? ?) (S) (ACCOUN- TING OR DEBIT? OR PAY? OR PAID)
S2	114	RD (unique items)

? t2/3,k/all

**2/3,K/1 (Item 1 from file: 8)**

DIALOG(R)File 8:EI Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

04662126 E.I. No: EIP97043593014

**Title: Using pay zone steering in high-angle and horizontal wells**

Author: Jackson, Charles E.

Corporate Source: Halliburton Energy Services

Conference Title: Proceedings of the 1997 10th Middle East Oil Show & Conference. Part 2 (of 2)

Conference Location: Bahrain, Saudi Arabia Conference Date: 19970315-19970318

E.I. Conference No.: 46214

Source: Proceedings of the Middle East Oil Show v 2 1997. Society of Petroleum Engineers (SPE), Richardson, TX, USA. p 487-500 SPE 37819

Publication Year: 1997

CODEN: PEOSEH

Language: English

Abstract: This paper examines the benefits of **Pay** Zone Steering, an integrated approach to drilling high-angle and horizontal wells incorporating advanced resistivity forward modeling into the overall planning and drilling phases. **Pay** Zone Steering provides quick **detection** of geological **changes** and allows for subsequent adjustments to the well plan. Key to this method are (1...  
...well's critical features are discussed, as well as applications for post-well analysis. The **Pay** Zone Steering process, from establishing objectives to final completion, is illustrated with case studies. The...

2/3,K/2 (Item 1 from file: 11)

DIALOG(R)File 11:PsycINFO(R)

(c) 2003 Amer. Psychological Assn. All rts. reserv.

00567039 1977-24512-001

**The relationship of bicycle maneuverability to handlebar configuration.**

AUTHOR: Mortimer, R. G.; Domas, Patricia A.; Dewar, R. E.

AUTHOR AFFILIATION: U Illinois1

JOURNAL: Applied Ergonomics--

http://www.elsevier.com/inca/publications/store/3/0/3/8/9/, Vol 7(4),  
213-219, Dec, 1976

PUBLISHER: Elsevier Science--England

...ABSTRACT: high rise. The maneuverability of each bicycle was measured as 18 18-41 yr old **paid** males performed 6 tasks: circle, **lane** change, figure-eight, straight **lane tracking**, cornering, and slalom. Ss were matched by riding experience and grouped by their familiarity with...

2/3,K/3 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

02573614 321954391

**Guest perceptions of hotel quality: Determining which employee groups count most**

Hartline, Michael D; Woolridge, Barbara Ross; Jones, Keith C

Cornell Hotel & Restaurant Administration Quarterly v44n1 PP: 43-52 Feb 2003

ISSN: 0010-8804 JRNL CODE: CHR

WORD COUNT: 4775

...TEXT: i.e., their zone of indifference) have been shown to affect their loyalty, willingness to **pay** more, and brand switching.35 Necessary cues are likely to have extremely narrow zones of...

... for passive and neutral cues, giving managers greater latitude and a wider margin for error. **Zones** of indifference have also been shown to **change** over time, making the **monitoring** of **zones** of indifference an important strategic issue for hotel managers.37

Finally, it may be worthwhile...

2/3,K/4 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

28845202 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Secret plans for road charges**

Jonathan Walker Political Correspondent

BIRMINGHAM POST

April 26, 2003

JOURNAL CODE: FBMP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 533

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... would be issued monthly - and all Britain's 110,000 hauliers would be expected to **pay** .

Search Report from Ginger R. DeMille

However Mr Bradbourn, a leading member of the European Parliament's Transport Committee, says this...

**2/3,K/5 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

12636520 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The Holden Commodore has had a face-lift and is due in the showrooms next month. PETER BREWER approves most of the changes.**

CANBERRA TIMES , CT ed, p15

September 01, 2000

JOURNAL CODE: WCTS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 756

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... use, with steering-wheel controls that allow the driver to surf between radio stations and **change** CD **tracks** without taking his/her eyes off the **road** . It's a shame the switches aren't illuminated at night. Don't expect any...

**2/3,K/6 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

01329285 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**April 3rd is 'You Can Do It: Start Small, Think Big, Know Your Rights and Responsibilities Day'**

PR NEWSWIRE

April 02, 1998 8:16

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 464

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... especially when you're young -- you'll have far more freedom and choices down the **road** .

-- **Track** how you spend your pocket **change** . It's amazing how money burns a hole in our pocket and how we fritter...

**2/3,K/7 (Item 1 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

02656560 SUPPLIER NUMBER: 03580129 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**A primer for driving in ice and snow.**

Taylor, Rich

Skiing, v37, p46(2)

Jan, 1985

CODEN: SKIIA ISSN: 0037-6264 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT

WORD COUNT: 1473 LINE COUNT: 00105

... as slippery at 32 [deg.] F as it is at 0 [deg.] F, so it **pays** to keep track of the temperature, perhaps even installing an outside thermometer on your car...



...hill, in areas of shadow, at the brow of a hill, or in the tire **tracks** of a packed-snow **road** .

In general, look for **changes** in the color or texture of the road surface. Glass-like ice reflects the sky...

2/3,K/8 (Item 1 from file: 48)

DIALOG(R)File 48:SPORTDiscus

(c) 2003 Sport Information Resource Centre. All rts. reserv.

02118083 SPORT RECORD NUMBER: S-126080

**The influence of outcome messages and involvement on participant reference price.**

Kyle, G.T.; Kerstetter, D.L.; Guadagnolo, F.B.

Journal of park and recreation administration, v17, n3 , p53-75

Fall 1999

...ABSTRACT: one of six treatment groups. Each subject received a message communicating potential outcomes associated with **paying** an entrance fee for a 10K **road** race. Subsequent **changes** in subjects' internal reference price were **monitored** . The results indicated that cost of service information was the most effective treatment message in...

2/3,K/9 (Item 1 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

(c) fmt only 2003 Dialog Corp. All rts. reserv.

00931934 DA

**TITLE: DEVELOPMENT OF PERFORMANCE SPECIFICATIONS FOR COLLISIONS AVOIDANCE SYSTEMS FOR LANE CHANGE CRASHES**

AUTHOR(S): Talmadge, S; Chu, R; Eberhard, C; Jordan, K; Moffa, P

CORPORATE SOURCE: TRW Space and Defense, One Space Park, Redondo Beach, CA, 90278-, National Highway Traffic Safety Administration, Office of

Vehicle Safety Research, 400 7th Street, SW, Washington, DC, 20590,

REPORT NUMBER: HS-809 414,;Final Report

Pag: 194p

PUBLICATION DATE: 20000800 PUBLICATION YEAR: 2000

LANGUAGE: English SUBFILE: HRIS; HSL (H; S 2002)

ISSN: N/A

BIBLIOGRAPHIC/DATA APPENDICES: 3 App.

AVAILABILITY: National Technical Information Service; 5285 Port Royal Road ; Springfield; VA ; 22161

ORDER NUMBER: N/A

FUNDING TYPE: Contract

CONTRACT/GRANT NUMBER: DTNH22-93-X097922

FIGURES: Figs. TABLES: Tabs.

REFERENCES: Refs.

PERIOD COVERED: 9308-0008

...ABSTRACT: demonstrates that an effective lane change CAS can be built today. In order to avoid **lane change** collisions, the **lane change** CAS must **monitor** the areas on either side of the vehicle to determine the presence of another vehicle...

...deemed to be a worthwhile endeavor, one that focus groups say they want and will **pay** for.

2/3,K/10 (Item 2 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2003 Dialog Corp. All rts. reserv.

00817198 DA

**TITLE: THE EXPERIMENT OF ENHANCED WEATHER MONITORING SYSTEM - ROAD TRAFFIC  
TELEMATICS EXPERIMENTAL AREA ON THE E18; TEHOSTETUN  
KELINSEURANTAJARJESTELMAN KOKEILU - TIELIIKENTEN TELEMATIIKAN  
E18-KOKEILUALUE**

AUTHOR(S): MALMIVUO, M; PAJUNEN, K  
CORPORATE SOURCE: TIELAITOS, FINNISH NATIONAL ROAD ADMINISTRATION,  
OPASTINSILTA 12 A , HELSINKI, FIN-00520, FINLAND  
JOURNAL: TIELAITOKSEN SELVITYKSIA Vol: 5/1999 Issue Number: TIEL 3200550  
Pag: 64p+6app  
PUBLICATION DATE: 19990000 , PUBLICATION YEAR: 1999  
LANGUAGE: FINNISH SUBFILE: IRRD (I)  
IRRD DOCUMENT NUMBER: E200542  
ISSN: 0788-3722 ISBN: 951-726-491-7  
DATA SOURCE: Transport Research Laboratory (TRL)

ABSTRACT: The aim of this study was to examine how the activities in **road** maintenance and traffic control centres **changed** after the implementation of the enhanced **road** weather **monitoring** system. The analysis concentrated on four sectors: the effects of the enhanced system to road...

...surveillance of the activities made by road maintenance center attendants indicated, that the attendants **paid** only limited attention to the road weather station data, especially in those circumstances when the...

**2/3,K/11 (Item 1 from file: 88)**

DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2003 The Gale Group. All rts. reserv.

05742456 SUPPLIER NUMBER: 71962077

**Auto Safety and Human Adaptation.**

SMILEY, ALISON

Issues in Science and Technology, 17, 2, 70  
Winter, 2000

ISSN: 0748-5492 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 4596 LINE COUNT: 00368

... in-vehicle displays or tasks to the driving workload. However, it is necessary to examine **changes** in the **detection** of on- **road** hazards to be sure that safety is not compromised. Such an approach was taken in...

...display complexity and greater task difficulty by dropping their speed and by reducing the attention **paid** to the detection task. The detection task was performed most poorly for the paper map...

**2/3,K/12 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

04155980 SUPPLIER NUMBER: 08210499 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**US auto parts casualty of trade zones. (Opinions & Comments)**

Phelps, David H.

American Metal Market, v97, n245, p14(1)

Dec 19, 1989

Search Report from Ginger R. DeMille

ISSN: 0002-9998      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 910      LINE COUNT: 00071

... already approved the application of a competitor.

During the past few years Customs has been **changing** the way it **monitors** foreign trade **zones** and bonded warehouses. The principal **change** made was a move from on-site inspection and **monitoring** to post-audit. In conjunction with the new monitoring regime, and in continuance of its long-standing policy to require that zone- and subzone-based companies **pay** the expenses related to Customs supervision, Customs also set up a fee schedule for zones...

**2/3,K/13      (Item 1 from file: 158)**

DIALOG(R) File 158:DIOGENES(R)

(c) 2003 DIOGENES. All rts. reserv.

02070492      DIOGENES RECORD NUMBER: 00555072

**HOW TO CONDUCT AN EFFECTIVE VENDOR AUDIT**

SOURCE: Part 11 Compliance Report, Vol. 2, No. 7, April 3, 2002

PUBLICATION DATE: April 03, 2002 ((20020403))

... will conduct the audit. The next step is to begin a tour of the facility, **paying** special attention to unattended workstations, security access and how well the computer room is controlled...changes. Persons responsible for system security should periodically conduct unannounced checks of computer clocks to **detect** and deter unauthorized clock **changes**.  
\* Time **Zones** : Firms should implement time stamps with a clear understanding of what time zone reference they...

**2/3,K/14      (Item 1 from file: 160)**

DIALOG(R) File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01125450

**New DDC system uses PLC, said to cut energy 20-40%.**

ENERGY USER NEWS      December 24, 1984      p. 91

... monitoring and control points. The EMS will save 20-40 percent in energy costs with **payback** of 1 year or less. The unit operates with Harpazo 1- and 2-way PLC...

... air. The system can perform proportional integral derivative algorithm calculations to determine the rate of **change** of **monitored** conditions such as **zone** temperature.      ...

**2/3,K/15      (Item 1 from file: 180)**

DIALOG(R) File 180:Federal Register

(c) 2003 format only The DIALOG Corp. All rts. reserv.

DIALOG Accession Number: 03115432

Supplier Number: 67092157

**Department Regulatory Agenda; Semiannual Summary**

**Volume: 67      Issue: 92      Page: 33367**

**CITATION NUMBER: 66 FR 33367**

Date: Monday, May 13, 2002

TEXT:

...a continuing need to collect information on railroad operating rules and

Search Report from Ginger R. DeMille

practices, in order to **monitor changes** in railroad operating practice. The required periodic inspections and employee training are important for safety... the process for a "no action" option. This change would preserve the existing options of **paying** the "ticket" and closing the case, or requesting a hearing; it would replace the current...as published even if it entails technical amendments from time to time.

Agency Contact: Curtis **Payne** , Project Manager, G-MSO-3, Department of Transportation, U.S. Coast Guard, 2100 Second Street...million, or \$231.5 million discounted to present value (again, assuming society's willingness to **pay** \$2.7 million to avoid a fatality). This loss does not include the value

**2/3,K/16 (Item 2 from file: 180)**

DIALOG(R)File 180:Federal Register

(c) 2003 format only The DIALOG Corp. All rts. reserv.

DIALOG Accession Number: 02333048

Supplier Number: 941101225

**Respiratory Protection**

**Volume: 59 Issue: 219 Page: 58884**

**CITATION NUMBER: 59 FR 58884**

Date: TUESDAY, NOVEMBER 15, 1994

TEXT:

... of two basic principles; purifying the air by removing contaminants before they reach the breathing **zone** of the worker, or providing clean air from an uncontaminated source.

In 1814, a particulate...use of such seal checks are a way of helping to ensure that attention is **paid** to obtaining an adequate facepiece seal each time a respirator is used.

An additional requirement...employer shall provide the lenses at no cost to the employee. The question of who **pays** for respirator corrective lenses has not previously been addressed, and OSHA has no information in the docket on this issue. Therefore, OSHA requests comments and information on the responsibility for **paying** for specially designed corrective lenses for respirators.

The cleaning, sanitizing, and discarding of disposable respirators...

... cleaned and disinfected by following certain procedures. The Committee wanted to add the phrase "on **paid** time" in order to require that the cleaning not be required to be performed by...

**2/3,K/17 (Item 3 from file: 180)**

DIALOG(R)File 180:Federal Register

(c) 2003 format only The DIALOG Corp. All rts. reserv.

DIALOG Accession Number: 02291006

Supplier Number: .931102157

**Fact Sheet For the Multi-Sector Stormwater General Permit**

**Volume: 58 Issue: 222 Page: 61146**

**CITATION NUMBER: 58 FR 61146**

Date: FRIDAY, NOVEMBER 19, 1993

**2/3,K/18 (Item 4 from file: 180)**

DIALOG(R)File 180:Federal Register

(c) 2003 format only The DIALOG Corp. All rts. reserv.

DIALOG Accession Number: 02279093      Supplier Number: 930401581  
**Proposed Water Quality Guidance for the Great Lakes System**  
Volume: 58      Issue: 72      Page: 20802  
CITATION NUMBER: 58 FR 20802  
Date: FRIDAY, APRIL 16, 1993

TEXT:

... Determinations of Costs 4. Estimated Facility Compliance Costs a. Basic Considerations b. POTW Costs c. **Monitoring** Costs 5. Extrapolation of Total Compliance Costs for Sample to the Great Lakes Community of...

**2/3,K/19      (Item 1 from file: 347)**

DIALOG(R) File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

06243505      \*\*Image available\*\*  
CHARGE COLLECTING SYSTEM AT TOLL ROAD

PUB. NO.:      11-185079 [JP 11185079 A]  
PUBLISHED:      July 09, 1999 (19990709)  
INVENTOR(s):      FUJITA ICHIRO  
APPLICANT(s):      MITSUBISHI HEAVY IND LTD  
APPL. NO.:      09-355701 [JP 97355701]  
FILED:      December 24, 1997 (19971224)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a charge collecting system at a toll **road** capable of surely **detecting change** of combination of on-vehicle equipment with an IC card in the road and to...

... a radio communication function and mounted on a vehicle and the IC card with a **payment** function and a passage ticket function to be used by being inserted into the on...

**2/3,K/20      (Item 1 from file: 348)**

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01073628

**METHOD AND DEVICE FOR LAMINAR FLOW ON A SENSING SURFACE**

**VERFAHREN UND VORRICHTUNG ZUR LAMINAREN STROMUNG AN EINER SENSOROBERFLACHE**

**PROCEDE ET DISPOSITIF DE FORMATION D'ECOULEMENT LAMINAIRE SUR UNE SURFACE DE DETECTION**

PATENT ASSIGNEE:

Biacore AB, (1345722), Rapskatan 7, 754 50 Uppsala, (SE), (Proprietor designated states: all)

INVENTOR:

MALMQVIST, Magnus, Rorbacksvagen 39, S-752 57 Uppsala, (SE)

ROOS, Hakan, Oslogatan 85, S-752 34 Uppsala, (SE)

SJOLANDER, Stefan, Funbo, Solbacka, S-755 97 Uppsala, (SE)

TIDARE, Mattias, Tegnergatan 31 B, S-752 26 Uppsala, (SE)

SJODIN, Hakan, Staffansvagen 30, S-741 42 Knivsta, (SE)

STALBERG, Ralph, Torstveitvegen 6, N-3800 Bo Telemark, (NO)

LEGAL REPRESENTATIVE:

Hoarton, Lloyd Douglas Charles et al (80191), Forrester & Boehmert, Pettenkoferstrasse 20-22, 80336 Munchen, (DE)

Search Report from Ginger R. DeMille

PATENT (CC, No, Kind, Date): EP 1021703 A1 000726 (Basic)  
EP 1021703 B1 011121  
WO 9936766 990722  
APPLICATION (CC, No, Date): EP 99903988 990119; WO 99SE63 990119  
PRIORITY (CC, No, Date): US 9139 980120  
DESIGNATED STATES: BE; CH; DE; FI; FR; GB; LI; NL; SE  
INTERNATIONAL PATENT CLASS: G01N-021/55; G01N-021/05

NOTE:

No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200147	1773
CLAIMS B	(German)	200147	1621
CLAIMS B	(French)	200147	1979
SPEC B	(English)	200147	13044
Total word count - document A			0
Total word count - document B			18417
Total word count - documents A + B			18417

...CLAIMS des revendications 22 a 29, comprenant en outre :  
dans un premier etat, le reglage des **debits** d'ecoulement relatifs des  
ecoulements laminaires pour placer l'interface entre les ecoulements  
laminaires de facon que l'ecoulement de fluide echantillon ne vienne  
pas au contact de la **zone de detection** ;  
dans un deuxieme etat, le **changement** des **debits** d'ecoulement  
relatifs des ecoulements laminaires pour deplacer l'interface  
lateralement de facon que l...

...ecoulements laminaires de facon que l'ecoulement de fluide echantillon  
viennne au contact de la **zone de detection** ;  
dans un deuxieme etat, le **changement** des **debits** d'ecoulement  
relatifs des ecoulements laminaires pour deplacer l'interface  
lateralement de facon que l...

**2/3,K/21 (Item 2 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00533810

**Improved label for use in antitheft surveillance system**

**Überwachungssystemetikett zum Gebrauch bei Antiodiebstahl**

**Etiquette pour l'utilisation dans un systeme de surveillance anti-vol**

PATENT ASSIGNEE:

Sensormatic Electronics Corporation, (882790), 500 Northwest 12th Avenue,  
Deerfield Beach, Florida 33442-1795, (US), (applicant designated  
states: DE;FR;GB;SE)

INVENTOR:

Fearon, Edward Robert, 2012 N. St. Andrews, Richardson, Dallas, Texas  
75081, (US)

Fearon, Robert Earl, 5246 S. 76th Avenue, Tulsa, Tulsa-Osage, Oklahoma  
74145, (US)

LEGAL REPRESENTATIVE:

Colgan, Stephen James et al (29461), CARPMAELS & RANSFORD 43 Bloomsbury  
Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 516244 A1 921202 (Basic)  
EP 516244 B1 960821

APPLICATION (CC, No, Date): EP 92201827 861013;

PRIORITY (CC, No, Date): US 828541 860212

Search Report from Ginger R. DeMille

DESIGNATED STATES: DE; FR; GB; SE  
RELATED PARENT NUMBER(S) - PN (AN):  
EP 232584 (EP 863078960)  
INTERNATIONAL PATENT CLASS: G08B-013/24;  
ABSTRACT WORD COUNT: 140

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	507
CLAIMS B	(English)	EPAB96	507
CLAIMS B	(German)	EPAB96	515
CLAIMS B	(French)	EPAB96	583
SPEC A	(English)	EPABF1	6301
SPEC B	(English)	EPAB96	6301
Total word count - document A			6808
Total word count - document B			7906
Total word count - documents A + B			14714

...SPECIFICATION electromagnetic energy, generally in the Very High Frequency (VHF) range, which is transmitted in the **zone** of **detection**. The **detection** system also includes a receiver for **detecting changes** in the transmitted energy due to a label passing through the detection zone. In this manner, articles which have not been **paid** for, and thus which still include a label, can be detected before a shoplifter exits...

...SPECIFICATION electromagnetic energy, generally in the Very High Frequency (VHF) range, which is transmitted in the **zone** of **detection**. The **detection** system also includes a receiver for **detecting changes** in the transmitted energy due to a label passing through the detection zone. In this manner, articles which have not been **paid** for, and thus which still include a label, can be detected before a shoplifter exits...

2/3,K/22 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00458949

**Multi-functional and practical vehicle bump-avoiding system.**  
**Mehrzweck-Fahrzeug-Auffahrverhinderungssystem.**  
**Système multifonctionnel pour éviter des collisions de véhicules.**

PATENT ASSIGNEE:

Lin, Yng-Lang, (1023082), 2F., No. 17, Lane 49, Chung Hsiao E. Rd., Sec. 1, Taipei, (TW), (applicant designated states: AT;BE;DE;ES;FR;GB;GR;IT;LU;NL;SE)

INVENTOR:

Lin, Yng-Lang, 2F., No. 17, Lane 49, Chung Hsiao E. Rd., Sec. 1, Taipei, (TW)

LEGAL REPRESENTATIVE:

Lewald, Dietrich, Dipl.-Ing. et al (7571), Patentanwalt  
Pienzenauerstrasse 2, W-8000 Munchen 80, (DE)

PATENT (CC, No, Kind, Date): EP 451593 A2 911016 (Basic)  
EP 451593 A3 920408

APPLICATION (CC, No, Date): EP 91104675 910325;

PRIORITY (CC, No, Date): US 499956 900326

DESIGNATED STATES: AT; BE; DE; ES; FR; GB; GR; IT; LU; NL; SE

INTERNATIONAL PATENT CLASS: B60K-031/00

ABSTRACT WORD COUNT: 166

Search Report from Ginger R. DeMille

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1484
SPEC A	(English)	EPABF1	8459
Total word count - document A			9943
Total word count - document B			0
Total word count - documents A + B			9943

...SPECIFICATION output 40 of the timer circuit 39 so that when passing through another vehicle or **changing** the **lane** , if the sensor **detects** a remote vehicle or object, the auto-braking will not be performed in far distance...

...lane. Although when passing through another vehicle or changing the lane, the driver often will **pay** his attention and the auto-braking is not necessary to be performed in far distance...

...this auto-braking has made the driver find the vehicle or object and become to **pay** his attention, and the driver thinks that the auto-braking is unnecessary to continue, he...

...or object, the auto-braking must first take place, and then if the driver is **paying** his attention, the auto-braking will be thus released. Therefore, although for meeting the need...

**2/3,K/23 (Item 4 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00222975

**Improved label for use in anti-theft surveillance system.**

**Etikett zum Gebrauch in einem Anti-Diebstahl-Überwachungssystem.**

**Etiquette pour utilisation dans un systeme de surveillance antivol.**

PATENT ASSIGNEE:

Sensormatic Electronics Corporation, (882790), 500 Northwest 12th Avenue, Deerfield Beach, Florida 33442-1795, (US), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Fearon, Edward Robert, 2012 N. St. Andrews Richardson, Dallas County Texas 75081, (US)

Fearon, Robert Earl, 5246 S. 76th Avenue Tulsa, Tulsa-Osage County Oklahoma 74145, (US)

LEGAL REPRESENTATIVE:

Jones, Alan John et al (32391), CARPMAELS & RANSFORD 43 Bloomsbury Square, London, WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 232584 A2 870819 (Basic)  
EP 232584 A3 890308  
EP 232584 B1 930721

APPLICATION (CC, No, Date): EP 86307896 861013;

PRIORITY (CC, No, Date): US 828541 860212

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G08B-013/24;

ABSTRACT WORD COUNT: 137

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1821
CLAIMS B	(German)	EPBBF1	635

1220-Aug-0304:00 PM



Search Report from Ginger R. DeMille

CLAIMS B (French) EPBBF1 713  
SPEC B (English) EPBBF1 6297  
Total word count - document A 0  
Total word count - document B 9466  
Total word count - documents A + B 9466

...SPECIFICATION electromagnetic energy, generally in the Very High Frequency (VHF) range, which is transmitted in the **zone** of **detection** . The **detection** system also includes a **receiver** for **detecting changes** in the transmitted energy due to a **label** **passing** through the **detection zone** . In this manner, articles which have not been **paid** for, and thus which still include a label, **can** be detected before a shoplifter exits the premises. Of course, when a sale of the...

2/3,K/24 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00878065 \*\*Image available\*\*

**SYSTEM AND METHOD OF DATA HANDLING FOR TABLE GAMES**

**SYSTEME ET PROCEDE DE GESTION DES DONNEES DE JEUX SUR TABLE**

Patent Applicant/Inventor:

BEAVERS Anthony J, 3430 Stonewall, Shreveport, LA 71109, US, US  
(Residence), US (Nationality)

Legal Representative:

ROURK Christopher J (agent), Akin, Gump, Strauss, Hauer & Feld, LLP,  
Suite 4100, 1700 Pacific Avenue, Dallas, TX 75201-4675, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200211835 A2 20020214 (WO 0211835)

Application: WO 2001US24504 20010803 (PCT/WO US0124504)

Priority Application: US 2000222967 20000804

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 18816

Fulltext Availability:

Detailed Description

Detailed Description

... rolled. Other suitable die position indicators can be used. Craps system 712 can also receive **zone** betting data from a game table **zone** system, **detect** improper **changes** in bets, can perform calculations of **payout** data to **detect** underpay or overpay, can analyze a **change** in the dealer's cheque tray bank in light of wagers and game results so...

2/3,K/25 (Item 1 from file: 545)

DIALOG(R)File 545:Investext(R)

(c) 2003 Thomson Financial Networks . All rts. reserv.

12241759

**WOOLWORTHS HLDGS. LTD.**

MERRILL LYNCH CAPITAL MARKETS  
SALMON, R.  
NEW YORK (STATE OF)

DATE: August 16, 01  
INVESTEXT(tm) REPORT NUMBER: 8142154, PAGE 2 OF 5, TEXT PAGE  
This is a(n) COMPANY report.

TEXT:

...sale could be  
achieved, and using a PE multiple equal to 80% of Pick 'n **Pay** for the  
South African business, we arrive at a price of ZAR4.60, a 17...

**2/3,K/26 (Item 2 from file: 545)**

DIALOG(R)File 545:Investext(R)  
(c) 2003 Thomson Financial Networks . All rts. reserv.

09990769  
**Canadian Pacific (Tse)**  
RBC DOMINION SECURITIES, INC.  
Leinwand, J.  
CANADA

DATE: September 30, 99  
INVESTEXT(tm) REPORT NUMBER: 2955763, PAGE 6 OF 37, TEXT PAGE  
This is a(n) COMPANY report.

TEXT:

...and Availability: Canadian Pacific  
Railway - Pre-tax Return On Average Assets 1986-98|

Although the **change** to new **accounting** practices in 1997 (more  
**track** and **road** expenditures, about \$100 million per year, are  
capitalized rather than expensed) has increased the reported...

**2/3,K/27 (Item 3 from file: 545)**

DIALOG(R)File 545:Investext(R)  
(c) 2003 Thomson Financial Networks . All rts. reserv.

04137750  
**National Insurance Group - Company Report**  
CHICAGO CORPORATION (THE)  
Culbert, J.L.  
ILLINOIS (STATE OF)

DATE: February 11, 94  
INVESTEXT(tm) REPORT NUMBER: 1429388, PAGE 1 OF 18, TEXT PAGE  
This is a(n) COMPANY report.

TEXT:

...property owner or vehicle owner allows coverage on the collateral to  
lapse. The premium is **paid** by the lender to National and then passed  
through to the borrower. National tracks the...

2/3,K/28 (Item 4 from file: 545)  
DIALOG(R)File 545:Investext(R)  
(c) 2003 Thomson Financial Networks . All rts. reserv.

04137731  
**National Insurance Group - Company Report**  
CHICAGO CORPORATION (THE)  
Culbert, J.L.  
ILLINOIS (STATE OF)

DATE: February 11, 94  
INVESTEXT(tm) REPORT NUMBER: 1429387, PAGE 1 OF 4, TEXT/TABLE PAGE  
This is a(n) COMPANY report.

TEXT:

...property owner or vehicle owner allows coverage on the collateral to lapse. The premium is **paid** by the lender to National and then passed through to the borrower. National tracks the...

2/3,K/29 (Item 1 from file: 553)  
DIALOG(R)File 553:Wilson Bus. Abs. FullText  
(c) 2003 The HW Wilson Co. All rts. reserv.

03568782 H.W. WILSON RECORD NUMBER: BWBA97068782  
**A light to remember.**  
AUGMENTED TITLE: security lighting  
Mellard, Richard W  
Security Management (Secur Manage) v. 41 (July '97) p. 38-43  
LANGUAGE: English

...ABSTRACT: Constant light may work against security by causing witnesses, private security, or police to stop **paying** attention to what is happening. To be effective, a lighting plan has to be established...

...is through the use of demand lighting--lights that turn on only when motion is **detected** in the secured **zone** . This **change** of brightness will surprise the intruder and draw attention from the on-site security officer...

2/3,K/30 (Item 1 from file: 609)  
DIALOG(R)File 609:Bridge World Markets  
(c) 2001 Bridge. All rts. reserv.

00829259 BJPRTYM (USE FORMAT 7 FOR FULLTEXT)  
**FULL:Ford selects Iteris to supply lane departure warning system (B)**  
BRIDGENEWS GLOBAL MARKETS  
Wednesday, August 16, 2000 14:10 GMT  
JOURNAL CODE: MAR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 997

...BRANDS. LANE DEPARTURES ARE THE  
NUMBER ONE CAUSE OF FATAL ACCIDENTS IN THE UNITED STATES **ACCOUNTING**  
FOR MORE THAN 39 PERCENT OF CRASH-RELATED FATALITIES.  
THE AUTOVUE LANE DEPARTURE WARNING SYSTEM...

Search Report from Ginger R. DeMille

...A COMPACT DEVICE THAT RESIDES INSIDE  
THE VEHICLE ON THE WINDSHIELD.

WHEN THE AUTOVUE SYSTEM **DETECTS** THAT AN UNINTENDED **LANE CHANGE** IS  
ABOUT TO OCCUR, IT ALERTS THE DRIVER BY EMULATING A DISTINCTIVE RUMBLE  
STRIP SOUND...

**2/3,K/31 (Item 1 from file: 613)**

DIALOG(R)File 613:PR Newswire  
(c) 2003 PR Newswire Association Inc. All rts. reserv.

00973074 20030430CGW014 (USE FORMAT 7 FOR FULLTEXT)

**Do-Not-Call Is Not a Problem with Sprint**

PR Newswire

Wednesday, April 30, 2003 06:02 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 719

TEXT:

...changes in  
nationwide DNC laws, automatically monitors and manages call curfew  
requirements across all time **zones**, **monitors** and updates numbering plan  
area

**changes** and provides real-time call **accounting** and productivity  
reporting via

the Internet for all outbound call activity.

For telemarketers using manual...

**2/3,K/32 (Item 2 from file: 613)**

DIALOG(R)File 613:PR Newswire  
(c) 2003 PR Newswire Association Inc. All rts. reserv.

00689564 20011212DCW051 (USE FORMAT 7 FOR FULLTEXT)

**Lockheed Martin System, Daily Use Early at Kansas City**

PR Newswire

Wednesday, December 12, 2001 14:13 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 695

TEXT:

...This tool is one more example of how government and industry can team up  
to **pay** dividends directly to the passenger," said John Thornton, FAA's  
director of Free Flight Programs...

...at 120 miles per hour.

Make that merging a new race car onto a single **lane track** while  
**changing** the

tires on two other race cars moving at 120 miles per hour and you...

**2/3,K/33 (Item 1 from file: 623)**

DIALOG(R)File 623:Business Week  
(c) 2003 The McGraw-Hill Companies Inc. All rts. reserv.

0660084 (USE FORMAT 7 FOR FULLTEXT)

**CAN LARRY BEAT BILL?: Oracle's Ellison revs up to overtake Gates on the  
I-Way**

Search Report from Ginger R. DeMille

By Richard Brandt in Redwood Shores, Calif.  
Business Week, May 15, 1995, Number 3424, Pg 88  
JOURNAL CODE: BW  
SECTION HEADING: Cover Story  
WORD COUNT: 3,783

...TEXT: consulting practice. Lane recruited thousands of consultants to help major customers install applications such as **payroll**, **accounting**, and sales **tracking** on Oracle databases. **Lane** also **changed** the compensation system so that salespeople get **paid** only when products are delivered. Henley revamped **accounting** and introduced a more conservative approach to finances. ``There is professional management inside the company  
...

**2/3,K/34 (Item 1 from file: 624)**

DIALOG(R) File 624:McGraw-Hill Publications  
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

0660084

**CAN LARRY BEAT BILL?: Oracle's Ellison revs up to overtake Gates on the I-Way**

Business Week May 15, 1995; Pg 88; Number 3424  
Journal Code: BW ISSN: 0007-7135  
Section Heading: Cover Story  
Word Count: 3,783 \*Full text available in Formats 5, 7 and 9\*

BYLINE:

By Richard Brandt in Redwood Shores, Calif.

TEXT:

... consulting practice. Lane recruited thousands of consultants to help major customers install applications such as **payroll**, **accounting**, and sales **tracking** on Oracle databases. **Lane** also **changed** the compensation system so that salespeople get **paid** only when products are delivered. Henley revamped **accounting** and introduced a more conservative approach to finances. ``There is professional management inside the company  
...

**2/3,K/35 (Item 1 from file: 635)**

DIALOG(R) File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0187621 91-08819

**New Software Tracks Corporate Travel Plans**

Day, Janet  
Denver Post (Denver, CO, US), V99 N153 sC p2  
PUBL DATE: 910105  
WORD COUNT: 199  
DATELINE: Denver, CO, US

TEXT:

...corporate flights.

It allows users to compute fuel stops and alternate airport options, incorporate time **zone changes**, **monitor** wind and adjust to the optimum altitude. It also updates flight and maintenance activity for planes, monitors crew duty time and computes plane endurance based on the planned

Search Report from Ginger R. DeMille

**payload .**

Dispatch 2001 will be introduced in the first quarter of 1990, but Bergin said AIS...

**2/3,K/36 (Item 1 from file: 652)**  
DIALOG(R)File 652:US Patents Fulltext  
(c) format only 2002 The Dialog Corp. All rts. reserv.

00797947

Utility  
BOARD GAME APPARATUS

PATENT NO.: 3,924,858  
ISSUED: December 09, 1975 (19751209)  
INVENTOR(s): Dittrich, Siegfried, Bergstr. 28, 896 Kempten, DE (Germany)  
Jackel, Kurt, Langestr. 38a, 293 Varel, DE (Germany)  
[Assignee Code(s): 68000]  
APPL. NO.: 5-391,154  
FILED: August 23, 1973 (19730823)  
FULL TEXT: 391 lines

...not able to recite the traffic sign or to recite it properly, he has to **pay** play money into the till. For all traffic violations, the player has to **pay** into the till a fixed or agreed fine while certain traffic violations are additionally punished...position to give the right answer to the respective question, he does not have to **pay** the penalty or fine. If he answers incorrectly or not at all, he has to **pay** twice the penalty fine normally due to be **paid**. Each player is able to secure for himself greater amounts of play money by driving...  
... field as for instance 50 or 75, considered lucky, each player doing so will be **paid** a greater amount of play money.

It is, of course, to be understood that the...

... for other types of games. Thus, instead of the main and auxiliary streets, the play **tracks** may indicate other routes such as race **tracks**, **changing lanes**, etc. Decisive in this connection is that the player in addition to entertainment also acquires...

**2/3,K/37 (Item 2 from file: 652)**  
DIALOG(R)File 652:US Patents Fulltext  
(c) format only 2002 The Dialog Corp. All rts. reserv.

00773013

Utility  
MULTIPLE ZONE COMMUNICATIONS SYSTEM AND METHOD

PATENT NO.: 3,898,390  
ISSUED: August 05, 1975 (19750805)  
INVENTOR(s): Wells, Joel D., Orlando, FL (Florida), US (United States of America)  
McClure, George F., Winter Park, FL (Florida), US (United States of America)  
Freeman, Lionel D., Orlando, FL (Florida), US (United States of America)  
Endicott, John R., Maitland, FL (Florida), US (United States of America)

Search Report from Ginger R. DeMille

Cunningham, Marion L., Orlando, FL (Florida), US (United States of America)  
ASSIGNEE(s): Martin Marietta Corporation  
[Assignee Code(s): 52640]  
APPL. NO.: 5-360,560  
FILED: May 15, 1973 (19730515)  
FULL TEXT: 3487 lines  
... statistical traffic data collection from which changes in system configuration may result and perform message **accounting** and billing functions.

Calls may be established between subscribers to the wire line telephone system... then receives the addresses of both the called and calling mobile units and updates the **zone** flag of the calling mobile unit if it has **changed zones** and the **zone changes** was not previously **detected** and stored.

If a call to the mobile unit is being placed from a fixed...is initiated. In the embodiment of the base stations 54 illustrated in FIG. 11, the **zone change** request may be initiated by the vote threshold **detector** 224. The vote threshold detector 224 may monitor the received signal level or signal strength... available receivers at the appropriate base stations to the frequency of the call requiring a **zone change**. The need for a separate **monitoring** receiver may thus be eliminated if at least some of the transmitters and receivers at...RLVL signal received over the talking channel drops below a predetermined threshold, the control signal **detector** 332 may initiate the **zone change** request by generating the **zone change** signal ZC. With this arrangement, the continuous **monitoring** of the established call is not required at the base station in order to initiate...

2/3,K/38 (Item 3 from file: 652)  
DIALOG(R)File 652:US Patents Fulltext  
(c) format only 2002 The Dialog Corp. All rts. reserv.

00510581

Utility  
AUTOMATIC AUDIT SYSTEM FOR PARKING GARAGES

PATENT NO.: 3,575,586  
ISSUED: April 20, 1971 (19710420)  
INVENTOR(s): Kroll, Stanley A., 811 E. 22nd St., Brooklyn, NY (New York),  
US (United States of America), 11210  
APPL. NO.: 4-677,816  
FILED: September 07, 1967 (19670907)  
The present application is a continuation-in-part of my copending application Ser. No. 277,524.

FULL TEXT: 1017 lines

... of the ticket in the validating device automatically causes imprinting thereon of time out, amount **paid**, cashier's identification number, and lane number. At the same time, the fee indicator displays the amount to be **paid**. To prevent tampering, the validating device is made so that it can validate only one... who give parking stamps with purchases which are redeemable for cash credit. The actual amount **paid** would be displayed on the fee indicator. In a typical program, the cashier inspects the...

... the back of the ticket by participating merchants. The auditor can

Search Report from Ginger R. DeMille

determine why the fee **paid** differed from the amount which would have normally been **paid** , on the basis of parking time, had there been no stamp credit.

To accommodate the...

... Such a lane is normally arranged as an entrance. FIG. 6A shows only the basic **changes** in circuitry necessary to set up a reversible **lane** . **Detectors** 14a and 14b, sequential relay 31, and flip-flop 21 are connected through a multicontact...employee sets the appropriate keys on the validator keyboard corresponding to the fee to be **paid** . The ticket is then inserted in the validator closing a switch which energizes the printing...

...The fee indicator is located in view of the driver so the amount to be **paid** can be seen. The audit recorder is set in a controlled area, e.g., the...will record the number of cars which were parked for each preset time period and **paid** the values of the preset keys.

FIG. 9 shows an audit tape which was taken...

2/3,K/39 (Item 1 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

5315985 \*\*IMAGE Available

Utility

**Method for detecting lifting of rear wheel and method for controlling braking, of two wheeled vehicle**

Inventor: Sakamoto, Tadashige, Yokosuka, JP

Assignee: Bosch Braking Systems Co., Ltd. (03), Tokyo, JP

Examiner: Rodriguez, Pam (Art Unit: 363)

Law Firm: Frommer Lawrence & Haug, LLP

Combined Principal Attorneys: Santucci, Ronald R.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6601927	A	20030805	US 2001974401	20011010

Fulltext Word Count: 5333

Summary of the Invention:

...cycle when the ABS-unit is being antilock controlled and that the state of a **road** surface **changes** . In order to prevent erroneous **detection** , it is necessary to take a longer timer setting time. This causes to lower the...on a so-called select high, is abruptly decelerated. In the present invention, attention is **paid** to changes in estimated vehicle deceleration and the rear wheel lifting phenomenon in a two...time of detecting lifting of the rear wheel from a ground surface, and attention is **paid** to an estimated vehicle deceleration which is computed based on the estimated vehicle speed and...

2/3,K/40 (Item 2 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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5293228 \*\*IMAGE Available



Search Report from Ginger R. DeMille

Derwent Accession: 2001-603815

**Utility**

**Multi-functional on-vehicle camera system and image display method for the same**

Inventor: Sugimoto, Mitsuyoshi, late of Yokohama, JP, deceased,,, Miki Sugimoto, legal representative  
Masuda, Satoru, Yokohama, JP  
Hirama, Yuichi, Yokohama, JP

Assignee: Matsushita Electric Industrial Co., Ltd. (03), JP

Examiner: Rao, Andy (Art Unit: 263)

Law Firm: Parkhurst & Wendel, L.L.P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6593960	A	20030715	US 2000635659	20000810
Priority				JP 99231652	19990818

Fulltext Word Count: 10843

Description of the Invention:

...image corresponding to the turning direction of the vehicle is enlarged because the driver should **pay** a greater caution to the turning direction of the vehicle. Thus, the driver can unconsciously find the image to be **paid** attention...50 km/h and the winker information or the steering angle information indicates the left **lane changing**, the positional information **detecting** section 71 of the system control section 42 instructs the image selecting section 72, of...

...and 18. Similarly, when the winker information or the steering angle information indicates the right **lane changing**, the positional information **detecting** section 71 instructs the image selecting section 72 to select the images taken by cameras...the images in accordance with the present invention makes it possible for the driver to **pay** caution to circumferential conditions without any burden. This helps the driver avoiding any accident or...

**2/3,K/41 (Item 3 from file: 654)**

DIALOG(R) File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

0005216743 \*\*IMAGE Available

**Entertainment monitoring system and method**

Inventor: Tim Britt, INV  
Wayne Miller, INV  
Mark Guibord, INV  
Jeff George, INV  
Doug Huber, INV  
Robert Perry, INV  
John-Paul Pochin, INV

Correspondence Address: HOWARD & HOWARD ATTORNEYS, P.C., THE PINEHURST OFFICE CENTER, SUITE #101 39400 WOODWARD AVENUE, BLOOMFIELD HILLS, MI, 48304-5151, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20030069071	A1	20030410	US 2001967571	20010928

Fulltext Word Count: 42143

Description of the Invention:

...By entry boxes 2104, 2106 are read-only and cannot be edited. The EMS 100 **tracks changes** by recording the date and time of each **change** as well as the user name ...tote terminal, point ratios used to calculate patron points, and to establish the General Ledger **debit** /credit account numbers associated with each wager type. For each type of wager in the...game form 3500 include game ID, name, index, manufacturer, master prom, game prom, game code, **pay** table code, hold %, decisions/hour, and last modified. The game ID is unique ID for to be added. The index, master prom, game prom, game code, **pay** table code, and hold % (theoretical) are generally found on a PAR sheet provided by the...0294] D. Bingo **Accounting**

[...0313] Return Checks form: Used to write-off, redeposit, collect and make **payment** on checks returned by the patron's financial institution0315] Reports form: Provides the necessary **accounting** reports for check, marker and FOD activity, as well as providing a history of all...types for Financial Institutions. Account types represent what the account is used for, i.e. **payroll**, hotel expenses, special events, etc. The Last Modified On and By fields are read only... participation arrangements. Each leased device is tied to the Lessor account, including the dates and **payment** terms of the lease...0352] Daily Flat Rate-If **payment** for the device is a daily fee, enter the fee in this field...

...Percent Net Win field is used to record the percentage provided to the Lessor as **payment** for the device...Drop-If the Lessor receives a percent of the total drop for the device as **payment**, enter the percentage here...

...0355] Percent Coin In-If **payment** for the device is based on a percent of coin in, enter the percentage in0655] WHEN THE SLOT DEPARTMENT AND **ACCOUNTING** DO A MACHINE CONVERSION, MARKETING MUST RECEIVE A LIST OF MACHINES THAT HAVE BEEN MADE...

**2/3,K/42 (Item 4 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

0005202012 \*\*IMAGE Available

**Detection of target sequences by cleavage of non-target nucleic acids**

Inventor: James Dahlberg, INV

Mary Brow, INV

Victor Lyamichev, INV

Correspondence Address: MEDLEN & CARROLL, LLP, 101 HOWARD STREET SUITE 350, SAN FRANCISCO, CA, 94105, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20030054338	A1	20030320	US 2001940925	20010828
Division	PENDING			US 2000655378	20000905
Continuation	US 6372424			US 95520946	19950830
CIP	US 5843654			US 95484956	19950607
CIP	ABANDONED			US 95402601	19950309
CIP	US 5888780			US 97802233	19970219
CIP	ABANDONED			US 94337164	19941109

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CIP	US 5719028	US 97789079	19970206
CIP	US 5614402	US 94254359	19940606
CIP	US 5541311	US 9373384	19930604
CIP	US 5422253	US 92986330	19921207

Fulltext Word Count: 112236

Description of the Invention:

...world. In the United States, the incidence of tuberculosis has risen steadily during past decade, **accounting** for 2000 deaths annually, with as many as 10 million Americans infected with the disease...

...in New York City, where the incidence has more than doubled in the past decade, **accounting** for 14% of all new cases in the United States in 1990 [Frieden et al...]

**2/3,K/43 (Item 5 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

0005056487 \*\*IMAGE Available

Derwent Accession: 2002-361851

**System and method of data handling for table games**

Inventor: Anthony Beavers, INV

Correspondence Address: CHRISTOPHER J. ROURK AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P., P O BOX 688, DALLAS, TX, 75313-0688, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020111205	A1	20020815	US 2002116362	20020404
Continuation	UNKNOWN			WO 2001US24504	20010803
Provisional				US 60-222967	20000804

Fulltext Word Count: 21011

Description of the Invention:

...rolled. Other suitable die position indicators can be used. Craps system 712 can also receive **zone** betting data from a game table **zone** system, **detect** improper **changes** in bets, can perform calculations of **payout** data to **detect** underpay or overpay, can analyze a **change** in the dealer's cheque tray bank in light of wagers and game results so...

**2/3,K/44 (Item 6 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

0005043053 \*\*IMAGE Available

Derwent Accession: 2002-705986

**Method of call control for console sites monitoring critical talkgroups in a packet-based communication system**

Inventor: Daniel McDonald, INV

John Maher, INV

Brian Poe, INV

Assignee: MOTOROLA, INC. (02)

Correspondence Address: MOTOROLA, INC., 1303 EAST ALGONQUIN ROAD IL01/3RD,

Search Report from Ginger R. DeMille

SCHAUMBURG, IL, 60196

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020097746	A1	20020725	US 2000728619	20001201

Fulltext Word Count: 7211

Description of the Invention:

...may notify console(s) at the non-priority console site that they are not receiving **payload** (e.g., audio, video or data) associated with the talkgroup call, thereby giving the console(s) (or console operators) an opportunity to promote the **monitoring** status of those console(s). Based on requested **changes** in **monitoring** status, the **zone** controller may designate new priority consoles and/or new priority console sites. If sufficient bandwidth **payload** for the talkgroup call...

2/3,K/45 (Item 7 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

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4885195 \*\*IMAGE Available

Utility

**Fast track reassign in a rotating storage media**

Inventor: Dobbek, Jeff J., San Jose, CA

Assignee: International Business Machines Corporation (02), Armonk, NY

Examiner: Yoo, Do Hyun (Art Unit: 217)

Assistant Examiner: Chace, Christian P.

Combined Principal Attorneys: Guillot, Robert O. IPLO Intellectual Property Law Offices

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6574699	A	20030603	US 99456890	19991207

Fulltext Word Count: 23537

Summary of the Invention:

...to cross over one or more servo fields as it travels from one track or **zone** to another **track** or **zone**. As the read/write head **changes tracks** between different **zones**, the number of sectors between servo marks changes because of the change in bit density...

...position of the head is always known, the angular position must be translated after a **zone change** into a known position on the **track**.

...factor and a synchronization skew factor. Components of raw skew include: a track skew factor **accounting** for the time required to physically switch heads; a cylinder skew factor **accounting** for the time required to physically switch cylinders; and a zone skew factor **accounting** for the time required to change zone parameters and become ready to access an LBA...

2/3,K/46 (Item 8 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

Search Report from Ginger R. DeMille

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4877587 \*\*IMAGE Available

Derwent Accession: 2001-093895

**Utility**

**Vehicle control method and vehicle warning method**

Inventor: Nakamura, Mitsuru, Hitachinaka, JP

Bai, Jie, Hitachinaka, JP

Assignee: Hitachi, Ltd. (03), Tokyo, JP

Hitachi Car Engineering Co., Ltd. (03), Hitachinaka, JP

Examiner: Black, Thomas G. (Art Unit: 363)

Assistant Examiner: To, Tuan C

Law Firm: Crowell & Moring LLP

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6567737	A	20030520	US 2001986364	20011108
Continuation	US 6311123	A		US 2000605052	20000628

Fulltext Word Count: 8786

**Description of the Invention:**

...Then, FIG. 17 shows a method to plan to distinct the both by **paying** attention to the transverse moving velocity of the preceding vehicle and the pattern...

...vehicle is shown with a relationship with time as shown in the figure, the curved **road** is **detected** showing a gentle **change**, however, in case of vehicle **lane** change, the velocity is large at first because the steering angle is large, and the lateral direction velocity disappears because the steering is returned after the vehicle **lane change**, so that it is **detected** as a variation of a convex shape...

**2/3,K/47 (Item 9 from file: 654)**

DIALOG(R) File 654:US PAT.FULL.

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4725233 \*\*IMAGE Available

Derwent Accession: 2003-089011

**Utility**

**E/ Mobile communication device**

Inventor: Hoffberg, Steven M., 29 Buckout Rd., West Harrison, NY, 10604

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Phan, Dao (Art Unit: 362)

Law Firm: Milde, Hoffberg & Macklin, LLP

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6429812	A	20020806	US 2000584056	20000530
Division	US 6252544	A		US 99236184	19990125

Fulltext Word Count: 21197

**Summary of the Invention:**

...U.S. Pat. No. 4,028,662 relates to a passing vehicle signaling

Search Report from Ginger R. DeMille

apparatus, to **detect** adjacent vehicles during a **lane change** . U.S. Pat. No. 5,541,590 relates to a vehicle crash predictive and evasive... may either be plugged-into a wall jack, use acoustic coupling (advantageous, for example, for **pay** -telephones) or communicate wirelessly with a base unit, such as while parked in a garage... presentation of commercial messages may be stored for verification by an auditing agency, thus allowing **accounting** for advertising fees on an "impression" basis...

2/3,K/48 (Item 10 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4705473 \*\*IMAGE Available

Derwent Accession: 2002-335485

**Utility**

E/ **Integrated traffic monitoring assistance, and communications system**

Inventor: Mizunuma, Ichiro, Brighton, MA

Masaki, Ichiro, Boxborough, MA

Assignee: Mitsubishi Denki Kabushiki Kaisha (03), Tokyo, JP

Massachusetts Institute of Technology (02), Cambridge, MA

Massachusetts Institute of Technology

Mitsubishi Denki K K JP (Code: 52912 56262)

Examiner: Nguyen, Tan (Art Unit: 361)

Law Firm: Leydig, Voit & Mayer, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6411889	A	20020625	US 2000657522	20000908

Fulltext Word Count: 7046

Description of the Invention:

...63', when the vehicle 30 moves sufficiently to the right from the center of the **lane** . This arrangement clearly also provides for the **detection** of a **lane change** ...lane. Assuming the highway is a toll road, the emergency vehicle may be excused from **paying** any toll or may **pay** a standard or reduced toll for traveling in the highest priority lane, lane 45...

...The operator of this vehicle is authorized to use the fastest lane 45 because he **pays** a premium toll in order to use the highest priority lane 45. Therefore, the transponder...transceivers identifying the vehicle cannot be monitored reliably for toll variation purposes and have to **pay** a flat toll without any discount for delays, low priority lane travel, and the like...cost, but may result in some loss in precision in determining vehicle locations. For example, **lane changes** may be less rapidly and accurately **detected** . Thus, in the simplest possible system according to the invention, a single line of lane...

2/3,K/49 (Item 11 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4647896 \*\*IMAGE Available

Derwent Accession: 2001-001062

**Utility**

Search Report from Ginger R. DeMille

E/ Method and apparatus for setting the rotation speed of a drive motor of a work machine

Inventor: Pollklas, Manfred, Rheda-Wiedenbrueck, DE

Isfort, Heinrich, Duellen, DE

Assignee: CLAAS Selbstfahrende Erntemaschinen GmbH (03), Harsewinkel, DE

Claas Selbstfahrende Erntemaschinen GmbH DE (Code: 55983)

Examiner: Dang, Khanh (Art Unit: 287)

Combined Principal Attorneys: Striker, Michael J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6359403	A	20020319	US 2000567479	20000509
Priority				DE 19921697	19990512

Fulltext Word Count: 7576

Summary of the Invention:

...travel speed and at reduced motor rotation speed, so that an approaching person can still **pay** attention to an acoustic signal. The proposed method automatically lowers the motor speed, which would...

...speed of the drive motor is automatically set at the idle rotation speed when a **change** from working operation to transport or **road** travel is **detected**. Usually the work machine is prepared for transport to the next work field or for...

2/3,K/50 (Item 12 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4628782 \*\*IMAGE Available

Derwent Accession: 2001-389132

Utility

M/ Antiskid brake control system for automotive vehicles

Inventor: Onogi, Nobuyoshi, Nagoya, JP

Assignee: Denso Corporation (03), Kariya

Denso Corp JP (Code: 59821)

Examiner: Butler, Douglas C. (Art Unit: 363)

Law Firm: Pillsbury Winthrop LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6341826	A	20020129	US 2000740888	20001221
Priority				JP 99363144	19991221
				JP 2000342117	20001109

Fulltext Word Count: 11709

Description of the Invention:

...Accordingly, the inventor of this application **paid** attention to the phase delay of the slip speed change [DELTA]Vs caused by the...is, thus, essential that a change in drop in wheel speed Vw resulting from the **change** in **road** condition be **monitored** during a time when the W/C pressure Pb is held constant. It is, thus...increased from the first control cycle to the second control cycle. For instance, if a **change** in **road** surface condition is **detected** in the pressure-holding mode, as

Search Report from Ginger R. DeMille

shown in FIG. 11(b), by monitoring the phase...

2/3,K/51 (Item 13 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4594349 \*\*IMAGE Available

Derwent Accession: 2001-093895

**Utility**

E/ **Vehicle control method and vehicle warning method**

Inventor: Nakamura, Mitsuru, Hitachinaka, JP

Bai, Jie, Hitachinaka, JP

Assignee: Hitachi, Ltd. (03), Tokyo, JP

Hitachi Car Engineering Co., Ltd. (03), Hitachinaka, JP

Hitachi Car Engineering Co Ltd JP

Hitachi Ltd JP (Code: 39224 44406)

Examiner: Nguyen, Tan (Art Unit: 361)

Assistant Examiner: To, Tuan C

Law Firm: Crowell & Moring LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6311123	A	20011030	US 2000605052	20000628
Priority				JP 99181070	19990628

Fulltext Word Count: 7130

**Description of the Invention:**

...Then, FIG. 17 shows a method to plan to distinct the both by **paying** attention to the transverse moving velocity of the preceding vehicle and the pattern...vehicle is shown with a relationship with time as shown in the figure, the curved **road** is **detected** showing a gentle **change**, however, in case of vehicle **lane** change, the velocity is large at first because the steering angle is large, and the...

2/3,K/52 (Item 14 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4577133 \*\*IMAGE Available

Derwent Accession: 2001-610679

**Utility**

E/ **System and methods for synchronizing two or more datasets**

Inventor: Bodnar, Eric O., Capitola, CA

LaRue, Chris, Santa Cruz, CA

Dube, Bryan, Santa Cruz, CA

Kirani, Shekhar, San Jose, CA

Suresh, Sethuraman, Santa Cruz, CA

Assignee: Starfish Software, Inc. (02), Scotts Valley, CA

Starfish Software Inc

Examiner: Vu, Kim (Art Unit: 212)

Assistant Examiner: Ly, Anh

Combined Principal Attorneys: Smart, John A.

Publication Number	Kind	Date	Application Number	Filing Date
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Search Report from Ginger R. DeMille

Main Patent US 6295541 A 20010925 US 98136215 19980818  
Provisional US 60-69731 19971216

Fulltext Word Count: 29600

Description of the Invention:

...though the improved binary-based Synchronizer solves the conflict-resolution problem of FIG. 7, it **pays** a price. This price is that the improved binary-based Synchronizer cannot easily be implemented ...end of the previous synchronization. The Synchronizer performs this latter type of conversion if it **detects** that the dataset's active time **zone** has **changed** since the previous synchronization and that it is of the type that does not protect...

2/3,K/53 (Item 15 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4555518 \*\*IMAGE Available

Derwent Accession: 2000-453524

Utility

E/ Control system for automatic vehicle transmissions

Inventor: Saito, Yoshiharu, Wako, JP

Nakauchi, Norio, Wako, JP

Konno, Kazuyuki, Wako, JP

Ohashi, Tatsuyuki, Wako, JP

Hagiwara, Kenji, Wako, JP

Wakamatsu, Hideki, Wako, JP

Morita, Yukio, Wako, JP

Shimada, Takamichi, Wako, JP

Assignee: Honda Giken Kogyo Kabushiki Kaisha (03), Tokyo, JP

Honda Motor Co Ltd JP (Code: 00623)

Examiner: Chin, Gary (Art Unit: 361)

Law Firm: Arent Fox Kintner Plotkin & Kahn, PLLC

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6275760	A	20010814	US 99453501	19991203
Priority				JP 98357684	19981216

Fulltext Word Count: 13761

Summary of the Invention:

...on a relatively narrow road such as an alley, the vehicle driving should be conducted **paying** a careful attention to all of the surroundings, and the operation of the accelerator pedal...program; wherein the system includes: vehicle speed change calculating means for calculating a vehicle speed **change** in the **detected** vehicle speeds; **road** kind discriminating means for discriminating a kind of the road on which the vehicle runs...

Description of the Invention:

...system includes: vehicle speed change calculating means (ECU, S49, S700) for calculating a vehicle speed **change** ([DELTA]V) in the **detected** vehicle speeds (V); **road** kind discriminating means (ECU, S49, S712, S720) for discriminating a kind of the road (NROAD...

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2/3,K/54 (Item 16 from file: 654)  
 DIALOG(R) File 654:US PAT.FULL.  
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4540884 \*\*IMAGE Available  
 Derwent Accession: 2000-516377

**Utility**

**E/ Driver alerting system**

Inventor: Okuda, Sadaharu, Shizouka-ken, JP  
 Negishi, Satoshi, Tokyo, JP  
 Assignee: Yazaki Corporation (03), Tokyo, JP  
 Yazaki Corp JP (Code: 93573)  
 Examiner: Trieu, Van T. (Art Unit: 276)  
 Law Firm: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6262657	A	20010717	US 2000479426	20000107
Priority				JP 993328	19990108

Fulltext Word Count: 10743

**Description of the Invention:**

...continuous curve, an intersection, a railroad crossing, a congested area, or an area in which lane changes are restricted, the CPU of the controller 8 detects this and causes a variety of messages to be issued to the vehicle operator from...step ST66), the CPU of the controller 80 generates the alarm 1 message, "Dangerous driving! Pay attention to your driving" that is output from the alarm apparatus 9 so as to...or steering angle change of the vehicle 2 is large, the alarm 3 message of "Pay attention to your driving" is issued by the alarm apparatus 9 so as to alert...continuous curve, an intersection, a railroad crossing, a congested area, or an area in which lane changes are restricted is detected ahead of the vehicle 2, an interrupt signal is generated by ...cellular telephone 4 and has his or her attention focussed thereon, and will possibly not pay attention to steering and braking, a message being then output to the operator to draw...

2/3,K/55 (Item 17 from file: 654)  
 DIALOG(R) File 654:US PAT.FULL.  
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4529756 \*\*IMAGE Available  
 Derwent Accession: 2002-170554

**Utility**

**E/ Mobile communication device**

Inventor: Hoffberg, Steven M., 29 Buckout Rd., West Harrison, NY, 10604  
 Assignee: Unassigned  
 Unassigned Or Assigned To Individual (Code: 68000)  
 Examiner: Tarcza, Thomas H. (Art Unit: 362)  
 Assistant Examiner: Phan, Dao L.  
 Law Firm: Milde, Hoffberg & Macklin, LLP

Publication Number	Kind	Date	Application Number	Filing Date
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Search Report from Ginger R. DeMille

Main Patent US 6252544 A 20010626 US 99236184 19990125  
Provisional US 60-72757

Fulltext Word Count: 21540

Summary of the Invention:

...U.S. Pat. No. 4,028,662 relates to a passing vehicle signaling apparatus, to **detect** adjacent vehicles during a **lane change**. U.S. Pat. No. 5,541,590 relates to a vehicle crash predictive and evasive... may either be plugged into a wall jack, use acoustic coupling (advantageous, for example, for **pay** -telephones) or communicate wirelessly with a base unit, such as while parked in a garage... presentation of commercial messages may be stored for verification by an auditing agency, thus allowing **accounting** for advertising fees on an "impression" basis...

2/3,K/56 (Item 18 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4447313 \*\*IMAGE Available

Derwent Accession: 2000-646876

**Utility**

**REASSIGNED**

E/ **Resonant EAS marker with sideband generator**

Inventor: Lian, Ming-Ren, Boca Raton, FL

Patterson, Hubert A., Boca Raton, FL

Assignee: Sensormatic Electronics Corporation (02), Boca Raton, FL

Sensormatic Electronics Corp (Code: 07331)

Examiner: Wu, Daniel J. (Art Unit: 276)

Assistant Examiner: Tweel, Jr., John

Law Firm: Robin, Blecker & Daley

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6177870	A	20010123	US 99229185	19990113

Fulltext Word Count: 4004

Summary of the Invention:

...alarm is generated. Some markers are intended to be removed at the checkout counter upon **payment** for the merchandise. Other types of markers remain attached to the merchandise but are deactivated... predetermined tuning frequency of the marker. When an active marker is present in the interrogation **zone**, receiving equipment at the **zone** **detects** a **change** in the interrogation field at the tuned frequency because of the resonance of the resonant...

2/3,K/57 (Item 19 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4425157 \*\*IMAGE Available

Derwent Accession: 1998-333186

**Utility**

E/ **Secure communication and control system for monitoring, recording,**

Search Report from Ginger R. DeMille

**reporting and/or restricting unauthorized use of vehicle.**

Inventor: Walker, Richard C., Waldorf, MD

Assignee: Kline and Walker LLC (02), Potomac, MD

Kline and Walker LLC

Examiner: Williams, Howard L. (Art Unit: 289)

Assistant Examiner: Jeanglaude, Jean B.

Combined Principal Attorneys: Donner, Iran H.Hale and Dorr LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6157317	A	20001205	US 97975140	19971120
Provisional				US 60-32217	19961202

Fulltext Word Count: 18717

Description of the Invention:

...and utility companies to insure that the operation of their equipment matched their receivables in **payment**. This level of system and its equipment could be privately owned, or leased, and operated...a separate set of devices that can be made of various technologies (referred to earlier) **detect** physical **changes** in the surface of **road** and simultaneously be receiving other input data (gathered by similar devices as to it's...

**2/3,K/58 (Item 20 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

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4403297 \*\*IMAGE Available

Derwent Accession: 1996-059934

**Utility**

**E/ Disk apparatus using coincidence detection to generate variable sector pulses**

Inventor: Okamura, Eiji, Kawasaki, JP  
Gofuku, Tatsuya, Kawasaki, JP  
Ono, Chihiro, Higashine, JP  
Ohba, Kazuhide, Higashine, JP  
Sato, Atsushi, Higashine, JP  
Takahashi, Eisaku, Higashine, JP  
Tokairin, Takashi, Higashine, JP  
Suda, Isao, Higashine, JP

Assignee: Fujitsu Limited (03), Kawasaki, JP  
Fujitsu Ltd JP (Code: 32608)

Examiner: Faber, Alan (Art Unit: 273)

Law Firm: Greer, Burns & Crain, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6137646	A	20001024	US 97872771	19970610
Division	US 5798885	A		US 95435132	19950505
Priority				JP 94123743	19940606
				JP 94125123	19940607
				JP 94128617	19940610

Fulltext Word Count: 37312

Description of the Invention:

3220-Aug-0304:00 PM

Search Report from Ginger R. DeMille

...head. In the reading operation, two of the connecting patterns are not used. Therefore, by **paying** an attention to the write pattern which is not used in the reading mode, by...sub]Q in accordance with the position of the read head 15, a head position **detection** signal without a dead **zone** which **changes** in accordance with the head position can be obtained for the movement of the read...

2/3,K/59 (Item 21 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4393781 \*\*IMAGE Available

Derwent Accession: 1997-108832

**Utility**

**M/ Traffic/transportation system**

Inventor: Minakami, Hiroyuki, 1-1, Nishiokamoto 2-chome, Higashinada-ku,  
Kobe-shi, Hyogo 658, JP  
Minakami, Motoyuki, 201 Tou 104, 12-2, Kasuga 1-chome,  
Tsukuba-shi, Ibaraki 350, JP

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Morano, S. Joseph (Art Unit: 367)

Assistant Examiner: McCarry, Jr., Robert J.

Law Firm: Limbach & Limbach L.L.P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6129025	A	20001010	US 98983292	19980410
PCT	WO 9702167		19970123	WO 95JP1350	19950704
			371:19980410		
			102e:19980410		

Fulltext Word Count: 62395

**Summary of the Invention:**

...this speed control is carried out by the driver. Especially on the highway, the driver **pays** attention to the front of the automobile so as to not tailgate the automobile ahead. To keep a safe distance between automobiles. On the other hand, the driver cannot **pay** attention to the rear direction as much as the front direction. The driver cannot watch... As explained above, in the general automobile-road transportation system, even if the driver **pays** attention to his own driving, his safety is totally dependent on the probability of another...the LDPF is restrained with the FSD, the mechanism becomes simple, but the pallet cannot **change** it's **track lane** .

2/3,K/60 (Item 22 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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4383221 \*\*IMAGE Available

Derwent Accession: 1996-465069

**Utility**

**CERTIFICATE OF CORRECTION**

**M/ Method and apparatus for non-contact measuring of the deflection of**

Search Report from Ginger R. DeMille

**roads or rails**

Inventor: Gr.o slashed.nskov, Leif, Vallensb.ae butted.kStrand, DK  
 Assignee: Greenwood Engineering ApS (03), Brondby, DK  
 Greenwood Engr ApS DK  
 Examiner: Fulton, Christopher W. (Art Unit: 289)  
 Law Firm: Merchant & Gould, P.C.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6119353	A	20000919	US 97913648	19970919
PCT	WO 9631655		19961010	WO 96DK159	19960402
			371:19970919		
			102e:19970919		
Priority				DK 037295	19950403

Fulltext Word Count: 4370

Summary of the Invention:

...continuously while the vehicle is traveling by the measurement of the vertical speed of the **road** or rail using sensors which **detect** the Doppler frequency **change** in the reflections from at least one transmitted wave, preferably an electromagnetic beam directed towards... or track along which the measuring vehicle is moving, in that regard is hereby also **paid** to possible gradients or declines and

**2/3,K/61 (Item 23 from file: 654)**

DIALOG(R) File 654:US PAT.FULL.

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4359809 \*\*IMAGE Available

Derwent Accession: 2000-655005

**Utility**

**REISSUE REQUESTED** \*\*See File 123 for details

**E/ Automated data collection for consumer driving-activity survey**

Inventor: Dashefsky, Donald J., Roslyn Heights, NY  
 Fore-Poloniewicz, Karen, East Setauket, NY  
 Shababb, George A., Roslyn Heights, NY

Assignee: VNU Marketing Information Services, Inc. (02), New York, NY  
 VNU Marketing Information Services Inc

Examiner: Trammell, James P. (Art Unit: 274)

Assistant Examiner: Young, John Leonard

Law Firm: Kalow & Springut LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6098048	A	20000801	US 98133090	19980812

Fulltext Word Count: 13800

Summary of the Invention:

...the quantity of any gasoline purchased at the service station and identification of the price **paid** for the gasoline...infrastructure improvements. Longitudinal consumer driving-activity information could be used by governmental highway authorities to **monitor changes** in traffic patterns due to **changes** in roadway **lane** designations such as institution of high vehicle occupancy ("HVO") lanes.

Search Report from Ginger R. DeMille

2/3,K/62 (Item 24 from file: 654)  
 DIALOG(R)File 654:US PAT.FULL.  
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4268134 \*\*IMAGE Available  
 Derwent Accession: 1996-059934

**Utility**

E/ **Data processing apparatus with program allocating section for selectively allocating programs in first and second memory**

Inventor: Ono, Chihiro, Higashine, JP  
 Assignee: Fujitsu Limited (03), Kawasaki, JP  
 Fujitsu Ltd JP (Code: 32608)  
 Examiner: Ray, Gopal C. (Art Unit: 271)  
 Law Firm: Greer, Burns & Crain Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6016547	A	20000118	US 9865482	19980424
Division	Pending			US 97872771	19970610
Division	Pending			US 97802165	19970218
Division	US 5798885	A		US 95435132	19950505
Priority				JP 94123743	19940606
				JP 94125123	19940706
				JP 94128617	19941006

Fulltext Word Count: 38360

**Description of the Invention:**

...head. In the reading operation, two of the connecting patterns are not used. Therefore, by **paying** an attention to the write pattern which is not used in the reading mode, by...subjQ in accordance with the position of the read head 15, a head position **detection** signal without a dead **zone** which **changes** in accordance with the head position can be obtained for the movement of the read...

2/3,K/63 (Item 25 from file: 654)  
 DIALOG(R)File 654:US PAT.FULL.  
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4236010 \*\*IMAGE Available  
 Derwent Accession: 1996-497837

**Utility**

**CERTIFICATE OF CORRECTION**

E/ **Image processing apparatus for vehicles**

Inventor: Nakamura, Kazuto, Hitachinaka, JP  
 Takano, Kazuaki, Mito, JP  
 Monji, Tatsuhiko, Hitachinaka, JP  
 Ondo, Eiryo, Higashi-murayama, JP  
 Tanaka, Yasunari, Mito, JP  
 Hanawa, Kazuhiko, Hitachinaka, JP  
 Assignee: Hitachi, Ltd. (03), Tokyo, JP  
 Hitachi Ltd JP (Code: 39224)  
 Examiner: Mancuso, Joseph (Art Unit: 273)  
 Assistant Examiner: Bali, Vikkram  
 Law Firm: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.

Search Report from Ginger R. DeMille

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5987174	A	19991116	US 96750988	19961224
PCT	WO 9634363		19961031	WO 96JP1133	19960425
			371:19961224		
			102e:19961224		
Priority				JP 95102441	19950426
				JP 9511986	19950518
				JP 95119857	19950518

Fulltext Word Count: 26021

Summary of the Invention:

...Consequently, the driver is required to continuously monitor the running road surface to **pay** attention to the state of ...relation to the problem of the prior art of article (2) is to provide a **road** surface **monitor** apparatus employing an image process in which **changes** in luminance and color of the road surface just in front of the vehicle are...

**2/3,K/64 (Item 26 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4210437 \*\*IMAGE Available

Derwent Accession: 1996-059934

**Utility**

**E/ Disk apparatus with voice coil motor**

Inventor: Tohkairin, Koichi, Higashine, JP

Assignee: Fujitsu Limited (03), Kawasaki, JP

Fujitsu Ltd JP (Code: 32608)

Examiner: Heinz, A. J. (Art Unit: 274)

Law Firm: Greer, Burns & Crain, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5963398	A	19991005	US 97802165	19970218
Division	US 5798885	A		US 95435132	19950505
Priority				JP 94123743	19940606
				JP 94125123	19940607
				JP 94128617	19940610

Fulltext Word Count: 37793

Description of the Invention:

...head. In the reading operation, two of the connecting patterns are not used. Therefore, by **paying** an attention to the write pattern which is not used in the reading mode, by...sub]Q in accordance with the position of the read head 15, a head position **detection** signal without a dead **zone** which **changes** in accordance with the head position can be obtained for the movement of the read...

**2/3,K/65 (Item 27 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

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Search Report from Ginger R. DeMille

4056714 \*\*IMAGE Available  
Derwent Accession: 1998-582330

**Utility**

**M/ Simulated racing game**

Inventor: Prather, Thomas A., Northbrook, IL  
Schmidt, Kenneth P. R., River Grove, IL  
Assignee: Chicago Casino Systems, Inc. (02), Hoffman Estates, IL  
Chicago Casino Systems Inc  
Examiner: Harrison, Jessica (Art Unit: 371)  
Assistant Examiner: O'Neill, Michael  
Law Firm: Greer, Burns & Crain, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5823872	A	19981020	US 96714013	19960918

Fulltext Word Count: 8785

**Description of the Invention:**

...that the face cards and the 10 card designate lateral movement only.  
To equalize the **lane changing** operation on the curved **track** 10, a  
space number 32 (best seen in FIG. 2) is assigned to each space...  
Position 70 (lane, furlong and "len", corresponding to space number), bet  
Amount 72, Odds, 74, **Payout** 76, **Debit** 78 and Credit 80. In the  
preferred embodiment, winnings are depicted in green and losses...

**2/3,K/66 (Item 28 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4029742 \*\*IMAGE Available  
Derwent Accession: 1996-059934

**Utility**

**CERTIFICATE OF CORRECTION**

**E/ Head positioning control for disk apparatus using peak detection,  
polarity detection and sector mark detection**

Inventor: Saiki, Masaru, Kawasaki, JP  
Sasaki, Tsutomu, Kawasaki, JP  
Ishizaki, Hirokazu, Kawasaki, JP  
Okamura, Eiji, Kawasaki, JP  
Gofuku, Tatsuya, Kawasaki, JP  
Suzuki, Norihiko, Higashine, JP  
Tohkairin, Koichi, Higashine, JP  
Suzuki, Hirofumi, Higashine, JP  
Endo, Kenji, Higashine, JP  
Ono, Chihiro, Higashine, JP  
Ohba, Kazuhide, Higashine, JP  
Satoh, Atsushi, Higashine, JP  
Takahashi, Eisaku, Higashine, JP  
Tokairin, Takashi, Higashine, JP  
Suda, Isao, Higashine, JP  
Ono, Takahiro, Higashine, JP  
Assignee: Fujitsu Limited (03), Kawasaki, JP  
Fujitsu Ltd JP (Code: 32608)  
Examiner: Young, W. R. (Art Unit: 273)  
Assistant Examiner: Wamsley, Patrick

Search Report from Ginger R. DeMille

Law Firm: Greer, Burns & Crain, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5798885	A	19980825	US 95435132	19950505
Priority				JP 94123743	19940606
				JP 94125123	19940607
				JP 94128617	19940610

Fulltext Word Count: 38890

Description of the Invention:

...head. In the reading operation, two of the connecting patterns are not used. Therefore, by **paying** an attention to the write pattern which is not used in the reading mode, by...sub]Q in accordance with the position of the read head 15, a head position **detection** signal without a dead **zone** which **changes** in accordance with the head position can be obtained for the movement of the read...

2/3,K/67 (Item 29 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

4026933 \*\*IMAGE Available

Derwent Accession: 1997-450726

Utility

EXPIRED

E/ Automobile screen control apparatus

Inventor: Fuse, Hidefumi, Nishikamo-gun, JP

Assignee: Toyota Jidosha Kabushiki Kaisha (03), Toyota, JP

Toyota Jidosha Kogyo K K JP (Code: 85331)

Examiner: Lefkowitz, Edward (Art Unit: 276)

Assistant Examiner: Woods, Davetta

Law Firm: Cushman Darby & Cushman IP Group of Pillsbury Madison & Sutro LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5796350	A	19980818	US 97810471	19970304
Priority				JP 9656201	19960313

Fulltext Word Count: 5406

Description of the Invention:

...sensor 15. The driver's sight in the left direction can thus be assumed by **detecting** a left turn or a **lane change** to the left. Therefore, the same effect as in the previous embodiment can be obtained ...In such a case, the driver is required to **pay** attention to the forward or right direction while the vehicle is making a lane change... where the vehicle is making a left turn and a location where the driver must **pay** attention to the left can be recognized in advance. Thus, by combining such information, the...

2/3,K/68 (Item 30 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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# Search Report from Ginger R. DeMille

3986270 \*\*IMAGE Available  
Derwent Accession: 1995-022989

## Utility

### REASSIGNED

#### E/ Method and a device for the registration of the movement of a vehicle

Inventor: Jonsson, Rune, Linkoping, SE

Isaksson, Folke, Linkoping, SE

Assignee: Saab-Scania Combitech Aktiebolag (03), Jonkoping, SE

Saab Scania Combitech AB SE

Examiner: Swarthout, Brent A. (Art Unit: 267)

Assistant Examiner: Trieu, Vam T.

Law Firm: Lowe, Price, LeBlanc & Becker

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5757286	A	19980526	US 96556898	19960723
PCT	WO 9428377		19941208	WO 94SE503	19940527
			371:19960723		
			102e:19960723		
Priority				SE 931842	19930528
				SE 933202	19930930

Fulltext Word Count: 5544

#### Description of the Invention:

...the transponder, which data in addition to certain identification data, can consist of data regarding **payment** conditions (if **debiting** shall occur or if pre-**payment** via a **pay** card 14, smart card, has been made...

...a unit 11 for checking the transmitter and receiver equipment 7 and which controls the **debiting** of vehicles which are provided with the equipment 12...

...which there is a need for identification in a different way, and examination for post-**debiting**. This equipment comprises the camera pair 9 for the detection and tracking of vehicles which...

...be communicated to a central facility for post-processing in connection with search and post-**debiting** of vehicles that have passed without **paying** ...As mentioned, registration of **debiting** shall take place, in the ordinary case through subtraction from a pre-**paid** card, smart card, when the vehicle passes the road toll facility. This case leads to...

...of the vehicle answers--the microwave transmitter registers the position of the vehicle and checks **payment** status...

... **Debiting** occurs--through activation from the transponder the **debiting** is registered in the vehicle...

...If however the vehicle is not equipped for automatic fee **debiting** or does not have approved **payment** status, means lacking on the card or an account not having been approved, the vehicle...

...shall only, under maintained identification, be registered for such vehicles for which no approved fee **debiting** has been performed by means of the described interaction between the microwave transmitter and theIf

Search Report from Ginger R. DeMille

through the microwave transceiver approved **payment** is registered, the system is made passive for the successive position registration of the vehicle...

- ...If however approved **debiting** could not be performed, the successive position registration of the vehicle in question continues...
- ...The produced records are stored for processing, so that post- **debiting** of the toll and possible fine can be effected...
- ...the vehicles that by means of microwave communication have been stated not to have approved **payment** status are recorded. This means that the vehicle must be tracked while the **payment** and checking operation is performed upto the recording site. This gives a relatively extended toll facility area since the **payment** operation requires a certain time during which a fast vehicle travels a relatively long distance...
- ...solution, the number plates of all incoming vehicles are recorded and tracked thereafter during the **payment** operation including the checking operation of **payment** status. The recorded vehicles can hereafter be separated into two groups, firstly such that can make the correct **payment** and secondly such that cannot. For the latter the recording of the number plates are given a special marking which indicated that post-**debiting** shall be performed. Preferably, this marking occurs in that only these records are registered finally...
- ...from the storing means, which can be a magnetic disc for example. By performing the **payment** /checking and recording operation in this way along the same distance, the total distance for...the pair 9 are activated until the successive position tracking has been concluded when the **payment** status of the vehicle has been established and possibly registered...Later, a reading of the stored records and post- **debiting** of the vehicle fee and possible fine is effected. Suitably, each record is connected to...In a camera pair several vehicles can be **tracked** and registered simultaneously. If **change** of **lanes** occurs, the vehicle must despite this fact be possible to track. Thereby, it is either...
- ...vehicles, when they enter the image field. Simultaneously, the microwave system performs its checking and **debiting** operation. When acceptance of this has been registered, which provides that the vehicle has a...

2/3,K/69 (Item 31 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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3964709 \*\*IMAGE Available

Derwent Accession: 1998-239389

**Utility**

E/ **Apparatus and method for determing a condition of a road**

Inventor: Corcoran, Paul T., Washington, IL

Assignee: Caterpillar Inc. (02), Peoria, IL

Caterpillar Inc (Code: 14768)

Examiner: Swarthout, Brent A. (Art Unit: 267)

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5736939	A	19980407	US 96763649	19961211

Search Report from Ginger R. DeMille

Fulltext Word Count: 5332

Summary of the Invention:

...these examples and others, fleets of load hauling machines are required to travel on haul **roads** that are located in harsh and constantly **changing** environments. The haul **roads** require constant **monitoring** and frequent maintenance to keep them suitable for the trucks to travel on. Deterioration of...

...No. 4,839,835, Hagenbuch discloses a system which monitors and counts spikes in a **payload** monitoring system to determine the presence of a road condition known as road roughness. Road...

2/3,K/70 (Item 32 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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3944127 \*\*IMAGE Available

Derwent Accession: 1998-158563

Utility

M/ **Temperature controller**

; **METHOD FOR ASSISTING A MAIN HEATING SYSTEM**

Inventor: Tishler, Carl, 7836 Dorchester Rd., Boynton Beach, FL, 33437

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Wayner, William E. (Art Unit: 344)

Law Firm: Malin, Haley, DiMaggio & Crosby, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5718372	A	19980217	US 97819588	19970317

Fulltext Word Count: 10208

Summary of the Invention:

...things are not considered in conventional controller systems. Since conventional systems are more concerned with **accounting** for "worst case" heat loss conditions, the inefficient electrical heating elements are often introduced unnecessarily...temperature differentials and processor readable medium of program code for determining the rate of temperature **change** in the **zone** or building being **monitored** for controlling the application of the supplemental or sole temperature source. For purposes of discussion...

2/3,K/71 (Item 33 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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3917470 \*\*IMAGE Available

Derwent Accession: 1995-358679

Utility

M/ **Method for the determination of rough road in vehicle with internal combustion engine mounted thereon**

Inventor: Togai, Kazuhide, Tokyo, JP

Okada, Kojiro, Tokyo, JP

Omori, Shogo, Tokyo, JP

Search Report from Ginger R. DeMille

Assignee: Mitsubishi Jidosha Kogyo Kabushiki Kaisha (03), Tokyo, JP  
 Mitsubishi Jidosha Kogyo K K JP (Code: 56268)  
 Examiner: Dolinar, Andrew M. (Art Unit: 342)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5694901	A	19971209	US 96553370	19960226
PCT	WO 9527130		19951012	WO 95JP614	19950330
			371:19960226		
			102e:19960226		
Priority				JP 9463606	19940331
				JP 9475763	19940414

Fulltext Word Count: 31189

Description of the Invention:

...Now **paying** attention to fuel injection control (air/fuel ratio control), for this fuel injection control (control...

...functions of revolution variance detecting means 101, variance value calculating means 102, air/fuel ratio **changing** data **detecting** means 104, angular acceleration **detecting** means 107, rough-**road** -running determination means 202, testing-air/fuel-ratio operating means 203, rough-road-running lean...103, combustion-determining data detecting means 108, the angular acceleration detecting means 107, the rough- **road** -running determination means 202, air/fuel ratio **changing** data **detection** means 232 and lean-burn combustion limit operating means 208  
 ...

2/3,K/72 (Item 34 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

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3815234 \*\*IMAGE Available

Derwent Accession: 1997-131644

Utility

M/ Track racing game machine

Inventor: Nakagawa, Toshiaki, Fujimi, JP  
 Yokota, Hiroshi, Tokyo-to, JP  
 Ozaki, Kouichi, Tokyo-to, JP  
 Furukawa, Kiyoshi, Kobe, JP

Assignee: Konami Co., Ltd. (03), Hyogo-ken, JP  
 Konami Co Ltd JP (Code: 44430)

Examiner: Harrison, Jessica (Art Unit: 334)

Assistant Examiner: Schaaf, James

Law Firm: Jordan and Hamburg

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5601490	A	19970211	US 94294525	19940823
Priority				JP 93210737	19930825

Fulltext Word Count: 11041

Description of the Invention:

Search Report from Ginger R. DeMille

...902b and 902c. In regions (hereafter referred to as normal running regions) of the running **track** 9 other than the **lane changing** regions 902a. **lane** joining regions 902b and lane branching regions 902c. there are provided a plurality of position...The **lane changing** region 902a of the running **track** 9 is, as shown in FIG. 8, provided with a lane changing device 14 which...The race information includes odds ( **payback** ratio) of a bet made on a winning car and a combination of cars winning...

...specified operation. There are different kinds of races, e.g., a normal race where a **payback** is made based on the specified **payback** ratio and race where a bonus is **paid** in addition to the normal **payback** . A player distributes the inserted coins for a plurality of winning combinations he forecasts and...

...7 pass the goal position 604 (Step #7). The result of the race and the **payback** ratio are displayed ...was not a main race (NO in Step #9), the number of coins to be **paid** back is calculated by multiplying the number of coins to be betted by a given **payback** ratio; the number of coins corresponding to this calculated number are **paid** back to the player (Step #10); and this routine returns to Step #1...

...spot of the die becomes a bonus ratio. Thereafter, the number of coins to be **paid** back is calculated by multiplying the number of coins to be betted by the specified **payback** ratio times the bonus ratio and the number of coins corresponding to this calculated number are **paid** back to the player (Step #11). In other words, the player gets the coins which are normal **payback** coins times the bonus ratio. This routine returns to Step #1 when all the players are **paid** back and the game machine is brought into the stand-by state...

2/3,K/73 (Item 35 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3811651 \*\*IMAGE Available

Derwent Accession: 1997-108457

Utility

REASSIGNED

E/ Vehicle obstacle avoidance system

Inventor: Reppas, George S., 1030 San Raymundo Rd., Hillsborough, CA, 94010

Reppas, Robert G., 48 Highland, Apt. 2, Cambridge, MA, 02139

Reppas, Charles B., 502 225th Pl., SE., Bothell, WA, 98021

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Sotomayor, John B. (Art Unit: 221)

Law Firm: Harness, Dickey & Pierce

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5598164	A	19970128	US 93103849	19930809
CIP	Abandoned			US 92926281	19920810

Fulltext Word Count: 6844

Description of the Invention:

...This is because small children often become absorbed in their play and fail to really **pay** attention to what is going on around them.

Search Report from Ginger R. DeMille

Therefore, since the driver cannot count on...isn't going to change lanes toward the obstacle. The system could further anticipate driver **lane changes** without **monitoring** the turn signal indicator by instead **monitoring** the steering wheel position. If the steering wheel is turned to the left and there...

2/3,K/74 (Item 36 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3798609 \*\*IMAGE Available

Derwent Accession: 1996-314033

**Utility**

E/ Road surface condition-detecting system and anti-lock brake system employing same

Inventor: Sekine, Hiroshi, Wako, JP  
Yokoyama, Shintaro, Wako, JP  
Harada, Ichiro, Wako, JP  
Asanuma, Nobuyoshi, Wako, JP  
Yamamoto, Yorihiisa, Wako, JP  
Horiuchi, Yutaka, Wako, JP  
Matsuda, Shohei, Wako, JP  
Otabe, Makoto, Wako, JP  
Itakagi, Atsushi, Wako, JP  
Kubonoya, Hideki, Wako, JP

Assignee: Honda Giken Kogyo Kabushiki Kaisha (03), Tokyo, JP  
Honda Motor Co Ltd JP (Code: 00623)

Examiner: Zanelli, Michael (Art Unit: 234)

Law Firm: Armstrong, Westerman, Hattori, McLeland & Naughton

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5586028	A	19961217	US 94353979	19941206
Priority				JP 93340052	19931207
				JP 94293994	19941102
				JP 94295893	19941104
				JP 94295894	19941104
				JP 94297989	19941107
				JP 94298991	19941108

Fulltext Word Count: 19186

Description of the Invention:

...Next, an embodiment of a four-wheel steering (4WS) system for **changing** a steering ratio depending on the **road** surface condition **detected** by the road surface condition-detecting system according to the invention will be described...

2/3,K/75 (Item 37 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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3769842 \*\*IMAGE Available

Derwent Accession: 1992-007694

**Utility**

E/ Optical recording method employing pit edge recording on recording



Search Report from Ginger R. DeMille

medium divided into a plurality of zones wherein recording parameters vary from zone to zone

Inventor: Maeda, Takeshi, Kokubunji, JP  
 Arai, Shinichi, Odawara, JP  
 Isaka, Kazuo, Odawara, JP  
 Saito, Atsushi, Ichikawa, JP  
 Mizokami, Takuya, Odawara, JP  
 Sugiyama, Hisataka, Kodaira, JP  
 Kawamura, Satoshi, Yokohama, JP  
 Assignee: Hitachi, Ltd. (03), Tokyo, JP  
 Hitachi Ltd JP (Code: 39224)  
 Examiner: Epps, Georgia Y. (Art Unit: 256)  
 Assistant Examiner: Huber, P. W.  
 Law Firm: Antonelli, Terry, Stout & Kraus

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5559777	A	19960924	US 95428057	19950425
Continuation	US 5414689	A		US 92820593	19920127
Priority				JP 90133819	19900525
				JP 90133820	19900525
				JP 90228128	19900831

Fulltext Word Count: 20981

Summary of the Invention:

...invention particularly uses an MCAV recording system in which a recording area is divided into **zones** each including a plurality of **tracks** and respective recording clocks or the **zones** are **changed** so that the length of a recording pit becomes approximately constant over all the zones...

...compared with a modulation frequency and can therefore be regarded as being substantially static. Also, **paying** attention to the edges of pits, each of a positional relationship between front edges and...

...there is used the MCAV recording system in which a recording area is divided into **zones** each including a plurality of **tracks** and recording clocks are **changed** at every **zone** so that the length of a recording pit becomes approximately constant even if a disk...The recording medium is constructed such that a recording area is divided into **zones** each of which includes a plurality of **tracks** and a recording/reproducing condition is **changed** at every **zone** or at every block. The recording condition may include the frequency of recording clocks for...

2/3,K/76 (Item 38 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3701170 \*\*IMAGE Available

Derwent Accession: 1994-050766

Utility

EXPIRED

E/ Suspension control system for a vehicle

Inventor: Mine, Atsushi, Tokyo, JP

Assignee: Fuji Jukogyo Kabushiki Kaisha (03), Tokyo, JP

Fuji Jukogyo K K JP (Code: 32554)

# Search Report from Ginger R. DeMille

Examiner: Chin, Gary (Art Unit: 234)

Law Firm: Beveridge, DeGrandi, Weilacher & Young

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5497325	A	19960305	US 94193552	19940208
CIP	Abandoned			US 9397233	19930727
Priority				JP 92255581	19920831
				JP 92283707	19920929

Fulltext Word Count: 13570

## Summary of the Invention:

...More particularly, the invention concerns a suspension control system for reliably switching an attenuation force **accounting** for a delay of a control system over the entire travel conditions...said wheel as to be displaced forwardly from the vicinity of the front wheel to **change** a **road** surface **detecting** position and a control unit for processing signals from the road surface sensor and the...of said vehicle body to move from the vicinity of the front wheel forwardly to **change** a **road** surface **detecting** position for **detecting** roughness of a **road** surface in front of said wheel and for producing a road surface condition signal, and...

2/3,K/77 (Item 39 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3609245 \*\*IMAGE Available

Derwent Accession: 1992-007694

## Utility

E/ Optical information recording/reproducing apparatus using pit edge recording system

Inventor: Maeda, Takeshi, Kokubunji, JP  
 Arai, Shinichi, Odawara, JP  
 Isaka, Kazuo, Odawara, JP  
 Saito, Atsushi, Ichikawa, JP  
 Mizokami, Takuya, Odawara, JP  
 Sugiyama, Histaka, Kodaira, JP  
 Kawamura, Satoshi, Yokohama, JP

Assignee: Hitachi, Ltd. (03), Tokyo, JP  
 Hitachi Ltd JP (Code: 39224)

Examiner: Dziezeczynski, P. M. (Art Unit: 256)

Assistant Examiner: Wong, Don

Law Firm: Antonelli, Terry, Stout & Kraus

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5414689	A	19950509	US 92820593	19920127
PCT	WO 9119290		19911212	WO 91JP697	19910524
			371:19920127		
			102e:19920127		
Priority				JP 90133819	19900525
				JP 90133820	19900525
				JP 90228128	19900831

Fulltext Word Count: 25258

Search Report from Ginger R. DeMille

Summary of the Invention:

...invention particularly uses an MCAV recording system in which a recording area is divided into **zones** each including a plurality of **tracks** and respective recording clocks for the **zones** are **changed** so that the length of a recording pit becomes approximately constant over all the zones...

...compared with a modulation frequency and can therefore be regarded as being substantially static. Also, **paying** attention to the edges of pits, each of a positional relationship between front edges and...  
...there is used the MCAV recording system in which a recording area is divided into **zones** each including a plurality of **tracks** and recording clocks are **changed** at every **zone** so that the length of a recording pit becomes approximately constant even if a disk...The recording medium is constructed such that a recording area is divided into **zones** each of which includes a plurality of **tracks** and a recording/reproducing condition is **changed** at every **zone** or at every block. The recording condition may include the frequency of recording clocks for...

2/3,K/78 (Item 40 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3355790 \*\*IMAGE Available

Derwent Accession: 1993-075432

Utility

M/ Computer-controlled racing game

Inventor: Fongeallaz, Laura, 22 Gibson Place, Glen Rock, NJ, 07452

Fongeallaz, Carl, 22 Gibson Place, Glen Rock, NJ, 07452

Weinstein, Albert, Box J, Stanfordville, NY, 12581

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Brown, Theatrice (Art Unit: 334)

Assistant Examiner: Harrison, Jessica J.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5186460	A	19930216	US 91741611	19910807

Fulltext Word Count: 11841

Description of the Invention:

...penalize a player by modification of his or her energy reserve, or to credit or **debit** in a photofinish, is an important feature that can be used to implement other race...increase the energy of the outer horses. This only partially makes up for the outer **lane track** disadvantage: Horses 1 and 2 are not **changed**. Horses 3 and 4 upgrade one slow token to one medium token. Horses 5 and...

2/3,K/79 (Item 41 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

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3318641 \*\*IMAGE Available

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Derwent Accession: 1992-357051

**Utility**

**REASSIGNED**

M/ **Self-guidance bicycle track**

Inventor: Hawkes, E. Gerry, c/o ECO Systems, Inc., R.F.D. 1, Box 247,  
Woodstock, VT, 05091

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Neuder, William P. (Art Unit: 356)

Law Firm: Sughrue, Mion, Zinn, Macpeak & Seas

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5152632	A	19921006	US 91740786	19910806

Fulltext Word Count: 7423

Description of the Invention:

...to the straight track sections and curved track sections. The same is true for transition **track** sections which initiate a **change** from a straight **lane** single **track** to a curved single track and vice versa; from a passing lane width to a...into vehicular traffic. Cyclists constrained to the track are thus freer to sightsee and need **pay** less attention to their direction of travel. The well-drained non-slip track surface permits...

2/3,K/80 (Item 42 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

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3026034 \*\*IMAGE Available

Derwent Accession: 1990-051183

**Utility**

**REASSIGNED**

M/ **Vehicle anti-lock brake system**

Inventor: Atkins, Thomas M., Ann Arbor, MI

Assignee: Kelsey Hayes Company (02), Romulus, MI

KELSEY-HAYES CO (Code: 45376)

Examiner: Butler, Douglas C. (Art Unit: 314)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4886322	A	19891212	US 88283360	19881213
CIP	US 4790607	A		US 8763361	19870615
CIP	US 4673226	A		US 85702765	19850219

Fulltext Word Count: 7696

Description of the Invention:

...Also, after the second wheel speed departure cycle, the system **monitors** the **changes** in deceleration of the rear wheels to **detect** instances wherein the vehicle travels from a **road** surface such as ice wherein the coefficient of friction ( $\mu$ ) between the vehicle and the... would occur subsequent to the end of the second wheel speed departure 50e, such a **change** in **road** surface conditions can be **detected** in a

Search Report from Ginger R. DeMille

manner as described in above-mentioned U.S. Pat. Application Ser. No. 063  
...

**2/3,K/81 (Item 43 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3020793 \*\*IMAGE Available

Derwent Accession: 1990-036379

**Utility**

**EXPIRED**

**M/ Apparatus and method for taking measurements while drilling**

Inventor: Coury, Glenn E., P. O. Box 666, Wheat Ridge, CO, 80034

Assignee: Unassigned

UNASSIGNED OR ASSIGNED TO INDIVIDUAL (Code: 68000)

Examiner: Levy, Stewart J. (Art Unit: 265)

Assistant Examiner: O'Shea, Kevin D.

Combined Principal Attorneys: Rost, Kyle W.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4881406	A	19891121	US 88235112	19880822
CIP	US 4765183	A		US 8725192	19870312

Disclaimer Date: 20050823

Fulltext Word Count: 10368

Description of the Invention:

...The trend analysis described in example 3 can be extended to aid in the **detection** of over-pressured **zones**. The rate of **change** of temperature with respect to depth tends to increase in such zones. Thus, when measurements...The mechanism for quantitatively **accounting** for heat transfer by convection can be described by more general equations that those presented...

**2/3,K/82 (Item 44 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3012875 \*\*IMAGE Available

Derwent Accession: 1989-377644

**Utility**

**EXPIRED**

**M/ Horse racing game**

Inventor: Girardin, Ronald E., 67660 Paletero Rd., Cathedral City, CA, 92234

Assignee: Unassigned

UNASSIGNED OR ASSIGNED TO INDIVIDUAL (Code: 68000)

Examiner: Coven, Edward M. (Art Unit: 334)

Assistant Examiner: Layno, Benjamin

Combined Principal Attorneys: Gabriel, Albert L.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4874177	A	19891017	US 84615284	19840530

Fulltext Word Count: 13732

Description of the Invention:

...entry up to that point. Proximate the top of the race record 72 is a **payoff** chart 90 which may be filled out at the end of a simulated race with the win, place and show **payoffs** for the top three entries...154 which indicates the penalty in terms of position that a horse may expect to **pay** for riding in an outside lane during a turn. Naturally, the farther the horse is...mud ratings, handicapping and jockeys, odds, prerace strategy, fouls, inquiries, disqualifications and suspensions, wagering and **payoffs**, and suggestions on game play...

...FIGS. 11-16 illustrate various odds and **payoff** charts included in the tote book 170. FIG. 10 illustrates the winning odds in **payoff** chart 172. The odds on an entry winning and its potential **payoff** may be found in this chart 172 by comparing the performance ratings of the entries...

...may be found in the performance rating difference column 174 of the winning odds and **payoff** chart 172. The potential **payoff** of a favorite is found by relating that difference to the corresponding monetary figure found in the **payoff** column 176 relating to the number of horses to be entered in the simulated race...the performance rating difference is zero. The odds on any entry winning and its potential **payoff** may be found in the winning odds and **payoff** chart 172 in a manner similar to that described for the favorite...

...FIG. 12 illustrates one of a plurality of place **payoff** charts 182 also included in the tote book 170. In order to determine the place **payoffs** for the first and second place horses in a given simulated horserace, the players find...

...second place horses are combined by finding their winning odds in the winning odds and **payoff** chart 172, transforming them into fractions having common denominators and adding them together. Once the proper place **payoff** chart 182 has been found, a random number between 3 and 12 is generated, preferably...

...in the random number columns 188 and corresponds to a monetary figure in the place **payoff** columns 190. The monetary figure gives the place **payoff** for the winning horse. The same procedure is then followed to determine the place **payoff** for the second place horse...

...A similar procedure is followed in order to determine show **payoffs**. The proper chart is chosen from a plurality of show **payoff** charts 192 by finding the show **payoff** chart 192 having the proper winning odds 194 for the first place horse and the...

...in the random number columns 198 which corresponds to a monetary figure in the show **payoff** columns 200. A number from 3 to 18 is randomly generated three times in order to determine the show **payoffs** for the top three finishers in order...

...The daily double **payoff** charts 202 are utilized in much the same way as the place **payoff** charts 182 and the show **payoff** charts 192. The proper daily double **payoff** chart 202 lists a combined odds 204 corresponding to that of the combined odds of...

...located in the random number columns 206 which corresponds to a monetary amount in the **payoff** columns 208...

...In order to determine an exacta **payoff**, the exacta **payoff** charts 210

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are utilized in the same way as the daily double **payoff** charts 202 by finding the exacta **payoff** chart 210 listing the same combined odds 212 as that of the combined odds of...

...2 and 12, locating that number in the random number columns 214, and finding the **payoff** in the form of a monetary figure in the corresponding **payoff** column 216. The **payoff** for the Pic-Six is determined from the Pic-Six **payoff** table 218 illustrated in FIG. 16. The players whose horses are the actual winners of...

...total number is then located in the random number column 220 on the Pic-Six **payoff** table 218 of FIG. 16. Should one or more of the players have multiple winners...

...whether such players had a winning wagering selection in the Pic-Six. The grand prize **payoff** and consolation **payoff** are found in respective columns 222 and 224 on the same line as the total...Odds for the race are now determined. Morning or "a.m." odds along with potential **payoffs** are determined by the differences in performance ratings for each of the horses at the...

...race is to be run, and by relating that difference to the winning odds and **payoff** chart 172 of FIG. 10 in the manner described above. The "a.m." odds for...in the same manner as at any actual racetrack. The tote book 170 indicates the **payoff** results for \$2.00 win, place, show, daily double, and Pic-Six selections, as well...racing through a turn, represented by the semicircular turns 20 and 24 of the dirt **track** 14 and turf **track** 16, respectively. **Lane changes** are not allowed while in a turn. Therefore, it is important to position one's...

2/3,K/83 (Item 45 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

3002086 \*\*IMAGE Available

Derwent Accession: 1987-257989

**Utility**

**REASSIGNED**

E/ **Ferromagnetic label for use in anti-theft surveillance system**

Inventor: Fearon, Edward R., Richardson, TX

Fearon, Robert E., Tulsa, OK

Assignee: E.A.S. Technologies, Inc. (02), Richardson, TX

E A S TECH INC

Examiner: Swann, III, Glen R. (Art Unit: 268)

Combined Principal Attorneys: Mills, Jerry W.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4864281	A	19890905	US 88283165	19881212
Continuation	US 4799045	A		US 8774956	19870717
Continuation	US 4682154	A	19870721	US 86828541	19860212

Fulltext Word Count: 6687

**Summary of the Invention:**

...electromagnetic energy, generally in the Very High Frequency (VHF) range, which is transmitted in the **zone of detection**. The **detection** system also includes a receiver for **detecting changes** in the

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transmitted energy due to a label passing through the detection zone. In this manner, articles which have not been **paid** for, and thus which still include a label, can be detected before a shoplifter exits...

**2/3,K/84 (Item 46 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

2932308 \*\*IMAGE Available

Derwent Accession: 1987-257989

**Utility**

**REASSIGNED**

**E/ Method of detecting a label used in an anti-theft surveillance system**

Inventor: Fearon, Edward R., Richardson, TX

Fearon, Robert E., Tulsa, OK

Assignee: E.A.S. Technologies, Inc. (02), Richardson, TX

E A S TECH INC

Examiner: Swann, III, Glen R. (Art Unit: 268)

Combined Principal Attorneys: Mills, Jerry W.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4799045	A	19890117	US 8774956	19870717
Continuation	US 4682154	A	19870721	US 86828541	19860212

Fulltext Word Count: 6632

Summary of the Invention:

...electromagnetic energy, generally in the Very High Frequency (VHF) range, which is transmitted in the **zone of detection**. The **detection** system also includes a receiver for **detecting changes** in the transmitted energy due to a label passing through the detection zone. In this manner, articles which have not been **paid** for, and thus which still include a label, can be detected before a shoplifter exits...

**2/3,K/85 (Item 47 from file: 654)**

DIALOG(R)File 654:US PAT.FULL.

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2923259 \*\*IMAGE Available

Derwent Accession: 1988-362860

**Utility**

**REASSIGNED**

**M/ Vehicle anti-lock brake system**

Inventor: Atkins, Thomas M., Ann Arbor, MI

Assignee: Kelsey Hayes Company (02), Romulus, MI

KELSEY-HAYES CO (Code: 45376)

Examiner: Butler, Douglas C. (Art Unit: 314)

Combined Principal Attorneys: Skinkiss, Ralph J.; Sobanski, Mark J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4790607	A	19881213	US 8763361	19870615
CIP	US 4673226	A		US 85702765	19850219



Search Report from Ginger R. DeMille

Fulltext Word Count: 14434

Description of the Invention:

...weight supported by the rear wheels can vary greatly due to the wide range of **payloads** the truck may be transporting, and the proportioning between front/rear brake pressure can be...Also, after the second wheel speed departure cycle, the system **monitors** the **changes** in deceleration of the rear wheels to **detect** instances wherein the vehicle travels from a **road** surface such as ice wherein the coefficient of friction ( $\mu$ ) between the vehicle and the...the second wheel speed departure cycle at time  $T_{[sub]a}$ . The computer control can **detect** such a **change** in **road** surface conditions by **monitoring** the acceleration of the spinup portion 70c of the second wheel speed departure cycle 70b... constant controlled level until the remainder of the vehicle stop. However, in some instances the **road** surface conditions will **change**. The present program is designed to continuously **monitor** various parameters which are indicative of **changes** in **road** surface friction and which may require a change in the controlled pressure to the rear...

...an "ANTI-LOCK CONTROL LOOP" at 134 (FIG. 3c) in which various operating parameters are **monitored** to **detect** **changes** in **road** surface conditions throughout the remainder of the stop. The program first enters a decision point...

2/3,K/86 (Item 48 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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2805951 \*\*IMAGE Available

Derwent Accession: 1987-257989

Utility

REASSIGNED

E/ Label for use in anti-theft surveillance system

Inventor: Fearon, Edward R., Richardson, TX

Fearon, Robert E., Tulsa, OK

Assignee: E.A.S. Technologies, Inc. (02), New York, NY

E A S TECH INC

Examiner: Swann, III, Glen R. (Art Unit: 268)

Combined Principal Attorneys: Mills, Jerry W.; Chauza, Roger N.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	----	-----	-----
Main Patent	US 4682154	A	19870721	US 86828541	19860212

Fulltext Word Count: 8242

Summary of the Invention:

...electromagnetic energy, generally in the Very High Frequency (VHF) range, which is transmitted in the **zone** of **detection**. The **detection** system also includes a receiver for **detecting** **changes** in the transmitted energy due to a label passing through the detection zone. In this manner, articles which have not been **paid** for, and thus which still include a label, can be detected before a shoplifter exits...

2/3,K/87 (Item 49 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

Search Report from Ginger R. DeMille

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2741567 \*\*IMAGE Available

Derwent Accession: 1985-243658

Utility

REASSIGNED

E/ **Surveillance system having acoustic magnetomechanical marker**

Inventor: Anderson, III, Philip M., 50 Rose Terrace, Chatham, NJ, 07928

Urbanski, Jeffrey C., 62 Woodlawn Rd., Sparta, NJ, 07871

Assignee: Unassigned

UNASSIGNED OR ASSIGNED TO INDIVIDUAL (Code: 68000)

Examiner: Swann, III, Glen R. (Art Unit: 268)

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4622543	A	19861111	US 84592137	19840322

Fulltext Word Count: 7121

Description of the Invention:

...electrically connected to cash register 36 by wire 40. Articles 19 that have been properly **paid** for are placed within an aperture 42 of deactivation system 38, whereupon a magnetic field...

...marker 16 is associated can be any system capable of (1) generating within an interrogation **zone** an incident magnetic field of desired frequency, (2) **detecting changes** in acoustic signals at frequencies produced in the vicinity of the interrogation zone by the...

2/3,K/88 (Item 50 from file: 654)

DIALOG(R) File 654:US PAT.FULL.

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2712347 \*\*IMAGE Available

Derwent Accession: 1985-210087

Utility

EXPIRED

E/ **Electronic surveillance system employing the doppler effect**

Inventor: Close, Leo R., Sepulveda, CA

Assignee: Israel, Mrs. Lawrence (04), Van Nuys, CA

ISRAEL MRS LAWRENCE

Examiner: Rowland, James L. (Art Unit: 268)

Assistant Examiner: Hofsass, Jeffery A.

Law Firm: Fraser and Bogucki

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4595915	A	19860617	US 84577583	19840206

Fulltext Word Count: 9941

Summary of the Invention:

...through an exit. The alarm does not sound for lawful customers because when a customer **pays** for selected merchandise the sales clerk uses a special tool or key to either render...embodiment of the

Search Report from Ginger R. DeMille

invention, there is provided a frequency coherent, doppler effect surveillance system for **detecting** motion of a frequency **changing** transponder within a surveillance **zone** which includes a transmitting system coupled to radiate the zone with a double sideband, suppressed...

2/3,K/89 (Item 51 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

2620344 \*\*IMAGE Available

Derwent Accession: 1983-846055

Utility

REASSIGNED

E/ Coded surveillance system having magnetomechanical marker

Inventor: Anderson, III, Philip M., Chatham, NJ

Kearney, James E., New Hyde Park, NY

Bretts, Gerald R., Livingston, NJ

Assignee: Allied Corporation (02), Morris Township, Morris County, NJ

ALLIEDSIGNAL INC (Code: 01960)

Examiner: Crosland, Donnie L. (Art Unit: 268)

Combined Principal Attorneys: Buff, Ernest D.; Fuchs, Gerhard H.; Yee, Paul

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4510490	A	19850409	US 82384814	19820603
CIP	Pending			US 82373061	19820429

Fulltext Word Count: 7590

Description of the Invention:

...electrically connected to cash register 36 by wire 40. Articles 19 that have been properly **paid** for are placed within an aperture 42 of deactivation system 38, whereupon a magnetic field...

...marker 16 is associated can be any system capable of (1) generating within an interrogation **zone** an incident magnetic field of variable frequency, (2) **detecting changes** in coupling at frequencies produced in the vicinity of the interrogation zone by the presence...

2/3,K/90 (Item 52 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

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2620343 \*\*IMAGE Available

Derwent Accession: 1983-816005

Utility

REASSIGNED

E/ Surveillance system having magnetomechanical marker

Inventor: Anderson, III, Philip M., Chatham, NJ

Bretts, Gerald R., Livingston, NJ

Kearney, James E., New Hyde Park, NY

Assignee: Allied Corporation (02), Morris Township, Morris County, NJ

ALLIEDSIGNAL INC (Code: 01960)

Examiner: Crosland, Donnie L. (Art Unit: 268)

Combined Principal Attorneys: Buff, Ernest D.; Fuchs, Gerhard H.; Yee, Paul

Publication

Application

Filing

Search Report from Ginger R. DeMille

	Number	Kind	Date	Number	Date
Main Patent	US 4510489	A	19850409	US 82373061	19820429

Fulltext Word Count: 6817

Description of the Invention:

...electrically connected to cash register 36 by wire 40. Articles 19 that have been properly **paid** for are placed within an aperture 42 of deactivation system 38, whereupon a magnetic field...marker 16 is associated can be any system capable of (1) generating within an interrogation **zone** an incident magnetic field of variable frequency, (2) **detecting changes** in coupling at frequencies produced in the vicinity of the interrogation zone by the presence...

2/3,K/91 (Item 53 from file: 654)

DIALOG(R)File 654:US PAT.FULL.

(c) FORMAT ONLY 2003 THE DIALOG CORP. All rts. reserv.

2100925 \*\*IMAGE Available

Derwent Accession: 1977-F0469Y

Utility

E/ Mobile unit supervisory control sequencer and method

Inventor: McClure, George F., Winter Park, FL  
Endicott, John Richard, Maitland, FL  
Freeman, Lionel D., Orlando, FL  
Cunningham, Marion L., Orlando, FL  
Wells, Joel D., Orlando, FL

Assignee: Martin Marietta Corporation (02), Orlando, FL  
MARTIN MARIETTA CORP (Code: 52640)

Examiner: Claffy, Kathleen H. (Art Unit: 232)

Assistant Examiner: Brigance, Gerald L.

Law Firm: Burns, Doane, Swecker & Mathis

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4028500	A	19770607	US 75569677	19750421
CIP	US 3898390	A		US 73360560	19730515

Fulltext Word Count: 28268

Description of the Invention:

...statistical traffic data collection from which changes in system configuration may result and perform message **accounting** and billing functions...RLVL signal received over the talking channel drops below a predetermined threshold, the control signal **detector** 332 may initiate the **zone change** request by generating the **zone change** signal ZC. With this arrangement, the continuous lmonitoring of the established call is not required at the base station in order to initiate...

2/3,K/92 (Item 1 from file: 701)

DIALOG(R)File 701:St Paul Pioneer Pr Apr

(c) 2003 St Paul Pioneer Press. All rts. reserv.

15584040

HORNISH NOSES OUT LAZIER IN YAMAHA 400

St. Paul Pioneer Press (ST) - Monday, March 25, 2002

Search Report from Ginger R. DeMille

By: From news services\  
Edition: City Section: SPORTS Page: D2  
Word Count: 393

...Motor Speedway. Jimmy Spencer says Busch has more coming to him.

Spencer promised Busch further **payback** for the lap 445 bump Busch used to regain the lead and go on to victory. The incident came after Busch faked a trip to pit **road** then **veered** back onto the **track** and got the lead when Dale Earnhardt Jr. pitted after a yellow flag on lap...

2/3,K/93 (Item 1 from file: 711)  
DIALOG(R)File 711:Independent(London)  
(c) 2003 Newspaper Publ. PLC. All rts. reserv.

06104210

**Athletics: Runners finding roads that lead to riches: Neil Wilson looks at the megabuck side of athletics and finds that American streets are paved with gold**

Independent (IN) - Saturday, April 13, 1991

By: NEIL WILSON

Section: Sport Page: 44

Word Count: 725

...differed so completely from Europe.

Here, it has always been track and field meetings which **pay** most, crowded stadia and television income bankrolling budgets like the Zurich meeting's dollars 1m. Road races in Europe, which crowds and television can view without **payment**, have offered slim pickings. That is **changing**. **Road** running's coming your way,' predicts Basil Honikman, **TrackStat**'s director. For sponsors, it is the numbers that attract.

More than 100 road races...

2/3,K/94 (Item 1 from file: 718)  
DIALOG(R)File 718:Pittsburgh Post-Gazette  
(c) 2003 PG Publishing. All rts. reserv.

11791186

**HOT STUFF TOP RENTALS MIX UP WINNERS AND CLUNKERS**

Pittsburgh Post-Gazette (PT) - Friday, October 18, 2002

By: BARBARA VANCHERI, POST-GAZETTE STAFF WRITER

Edition: SOONER Section: ARTS & ENTERTAINMENT Page: 42

Word Count: 1,212

...harm. But when Gavin speeds away from a car crash on a rainy morning, he **pays** a high price for his selfishness. He dropped an irreplaceable file and the other irate motorist (Samuel J. Jackson) missed a hearing that could cost him his sons. **"Changing Lanes"** **tracks** the adversaries through preposterous **paybacks** that could have been avoided with courtesy and common sense. Rated R for language.

"Big...

2/3,K/95 (Item 1 from file: 727)  
DIALOG(R)File 727:Canadian Newspapers

Search Report from Ginger R. DeMille

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02815676 (USE FORMAT 7 FOR FULLTEXT)

**PEOPLE**

Edmonton Journal, Final ED, P A2

June 21, 1993

DOCUMENT TYPE: STORY; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT

Word Count: 812

...get  
to know him a little."

Lift of his life: Time spent in the gym **paid** off in a big way for Ben Green on Saturday when the Toronto bodybuilder lifted...

...old hero said modestly. Green was driving south on one of the city's major **roads** when the motorcycle " **veered** over, hit the streetcar **track** and skidded." The bike flew about 200 feet. "There were skid marks everywhere and I...

**2/3,K/96 (Item 1 from file: 757)**

DIALOG(R)File 757:Mirror Publications/Independent Newspapers

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01364044 556317947 (USE FORMAT 7 FOR FULLTEXT)

**Secret plans for road charges**

Birmingham Post, p1

Saturday, April 26, 2003

JOURNAL CODE: MBP LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSPAPER

WORD COUNT: 537

...said charges would be for all types of road, including 'motorways, dual carriageways (including trunk **roads** ), single carriageways (including trunk **roads** ) and single **track roads** ' but not private **roads** . Charges could **change** according to the time of day and location.. Bills would be issued monthly - and all Britain's 110,000 hauliers would be expected to **pay** .

However Mr Bradbourn, a leading member of the European Parliament's Transport Committee, says this...

**2/3,K/97 (Item 1 from file: 768)**

DIALOG(R)File 768:EIU Market Research

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00034158

**JAPANESE NEWS ROUND-UP: MITSUBISHI MOTORS**

Main Title: MOTOR BUSINESS JAPAN 1ST QTR 1999

Pub. Date: MARCH 1999

Source: THE ECONOMIST INTELLIGENCE UNIT LIMITED

Telephone: (212) 554-0600

Word Count: 1843 (3 pp.)

Search Report from Ginger R. DeMille

Language: English

Country: JAPAN

Industry: AUTOMOTIVE

Company Names (DIALOG Generated): Asahi Shimbun ; Canon ; China Motor ; Chrysler ; Harbin Aircraft ; Harbin Dong An Automotive Engine Manufacturing ; Harbin Dong An Engine ; Honda ; Mitsubishi Heavy Industries ; Mitsubishi Motor Sales ; Mitsubishi Motors ; Netherland ; Pininfarina ; Reuters ; Toyota ; Volvo

...the centre of the lane. Mitsubishi has also added a video camera-based rear-end **monitor** that allows drivers to **change lanes** without blind spots.

Mitsubishi said it is supplementing the package with its "Preview Distance Control...to

Mitsubishi. Mitsubishi retains a 15.3% equity stake in the joint venture, which has **paid** -in capital of Rmb500m (\$60m). Harbin Dong-An Engine Manufacturing holds a 55%

2/3,K/98 (Item 1 from file: 781)

DIALOG(R)File 781:ProQuest Newsstand

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09380801 MRNS20010925025A95F1 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**LETTERS TO THE EDITOR**

Morning Star - Wilmington, N.C., P 8A

Monday, September 17, 2001

DOCUMENT TYPE: Newspaper, Medium LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT SECTION HEADING: EDITORIAL

Word Count: 1,053

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...Failing to stop at red lights and stop signs is illegal.  
These infractions require constant **monitoring** by Big Brother.

Reckless, frequent **lane changes** and entering roadways without yielding to traffic are illegal, as is using turn lanes for...

...signals, etc. It's against the law to drive without insurance and yet I must **pay** additionally for "uninsured motorists." No doubt, car cell phone usage will soon join this list...

2/3,K/99 (Item 2 from file: 781)

DIALOG(R)File 781:ProQuest Newsstand

(c) 2003 ProQuest Info&Learning. All rts. reserv.

07569714 JFTU573706

**Fruit Cove dust storm Residents on dirt road want it paved**

Dan Scanlan, Times-Union staff writer

Florida Times-Union, Community ED, P O-1

Wednesday, August 30, 2000

DOCUMENT TYPE: Newspaper, Large LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT SECTION HEADING: MANDARIN

Word Count: 676

TEXT:

...forward." St. Johns County officials used \$10

Search Report from Ginger R. DeMille

million in bonds raised from annual assessment fees **paid** by the 2,200 families that live in the Julington Creek Plantation to widen a...

...year-old Sarah Stewart was injured and passenger Erica O'Donoughue killed when their car **swerved** onto the eroded shoulder of Race **Track Road** west of Russell Sampson Road and hit a truck, there was public pressure to widen...

**2/3,K/100 (Item 1 from file: 990)**

DIALOG(R)File 990:NewsRoom Current

(c) 2003 The Dialog Corp. All rts. reserv.

0659506715 167706KU

**Miriwinni's winning ways**

Catherine Lawson

Cairns Post (Australia), 1 ed, p023

Friday, June 27, 2003

JOURNAL CODE: ABSG LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newspaper SECTION HEADING: Outdoor Passport ISSN:

1322-8587

WORD COUNT: 945

...next 1.4km. Camping fees are \$4 per person per night or \$16 per family, **payable** at the self-registration booth at the park entrance. The park provides no facilities and...

**2/3,K/101 (Item 1 from file: 992)**

DIALOG(R)File 992:NewsRoom 2003/Jan-Mar

(c) 2003 The Dialog Corporation. All rts. reserv.

0568563722 161K1Y79

**Judicial activism and the death of the rule of law. (Law).**

Heydon, Dyson

Quadrant, v47, n1, p9(14)

Wednesday, January 1, 2003

JOURNAL CODE: AVHZ LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Magazine ISSN: 0033-5002

WORD COUNT: 13,112

...councils. The widening of duties for councils raises the issue of how they are to **pay** for the work which must be carried out in order to comply with those...

**2/3,K/102 (Item 1 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0552060333 160J1UXE

**Potential for timberline advance in northern Finland, as revealed by monitoring during 1983-99.**

Juntunen, V.

Neuvonen, S.

Norokorpi, Y.

Tasanen, T.

Arctic, v55, n4, p348(14)

Sunday, December 1, 2002

JOURNAL CODE: AQKK LANGUAGE: English RECORD TYPE: Fulltext



Search Report from Ginger R. DeMille

DOCUMENT TYPE: Scholarly Journal ISSN: 0004-0843  
WORD COUNT: 8,536

...the regional variability in seedling and tree density and basal area in different timberline **zones** in northern Finland. **Changes** in these variables were **monitored** during the period 1983-99.

METHODS

Study Area and Climate

In Finnish Lapland, coniferous timberlines...by the Finnish Meteorological Office.

Silva Fennica 17:143-160. (In Finnish with English summary.)

**PAYETTE**, S., and **FILION**, L. 1984. White spruce expansion at the treeline and recent...

**2/3,K/103 (Item 2 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rights reserved.

0545004038 160203Y5

**Ice Storm Blamed in Two Maine Deaths**

DAVID SHARP Associated Press Writer

AP Online

Monday, November 18, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 549

...off highways and speed limits were reduced to 45 mph on the Maine Turnpike and **Interstate** 95.

Most parts of Maine had only 3 to 5 inches of snow by the afternoon, but some higher elevations got 10 inches.

An estimated 4,000...

**2/3,K/104 (Item 3 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rights reserved.

0544502192 1601024H

**Israeli Tanks Move Into Gaza City**

IBRAHIM BARZAK Associated Press Writer

AP Online

Sunday, November 17, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 810

...were interrogating a passenger who officials say tried to hijack an El Al Israel Airlines **plane** just before it landed in Istanbul with 170 people on board. El Al general manager...

**2/3,K/105 (Item 4 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

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Search Report from Ginger R. DeMille

0544005378 16000581

**Saddam: Iraq Seeks to Avoid War**

SAMEER N. YACoub Associated Press Writer

AP Online

Saturday, November 16, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 703

...a four-year absence. Under a new resolution approved last week, the inspectors' mission. The rubber- **stamp** parliament **had** earlier recommended **rejecting** it but left the **final** decision to the Iraqi leader.

Addressing the legislators as "esteemed brothers and comrades," Saddam said ...

**2/3,K/106 (Item 5 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0542505325 15ZX056E

**AP Top News at 11:51 p.m. EST**

AP Online

Wednesday, November 13, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 604

...call \_ and a pair of favorable procedural votes in the Democratic-run Senate \_ ...

.....service, to arrest him and three of his brothers, according to a 21-year-old **relative** , Majida Meqdiad.

**Bush Seeks to End N. Korea Shipments**

WASHINGTON (AP...

... President Bush decided Wednesday to cut off U.S. oil shipments to North...

...who oppose a harsh punishment and hard-line administration officials who wanted North Korea to **pay** for developing deadly weapons behind Bush's back.

U.S. Analyzing bin Laden Recording

WASHINGTON

**2/3,K/107 (Item 6 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0538007704 15ZN07JR

**Fraternity Banned After Drowning**

AP Online

Monday, November 4, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

Search Report from Ginger R. DeMille

WORD COUNT: 152

**2/3,K/108 (Item 7 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0534503968 15ZF03VZ

**DNA Leads to Arrest in 1965 Murders**

AP Online

Tuesday, October 29, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 157

**2/3,K/109 (Item 8 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0532506719 15Z906KY

**AP Top News at 11:52 p.m. EDT**

AP Online

Friday, October 25, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 638

...from coastal areas before Hurricane Kenna hit land about 40 miles northwest of Tepic with **winds** of 140 mph.

Actor Richard Harris Dies at 72

LONDON (AP...

**2/3,K/110 (Item 9 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0531511069 15Z70ATW

**Warrant Issued in Sniper Case**

STEPHEN MANNING Associated Press Writer

AP Online

Wednesday, October 23, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 95

**2/3,K/111 (Item 10 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0483503053 15W702ZE

**White Sox Manager, Pitcher Tossed**

AP Online

Monday, July 22, 2002

JOURNAL CODE: ALHY LANGUAGE: English RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

Search Report from Ginger R. DeMille

WORD COUNT: 138

...s first career ejection. Manuel has now been ejected seven times, twice this season.

Biddle **was** replaced on **the** mound by Gary **Glover** .

**2/3,K/112 (Item 11 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

(c) 2003 The Dialog Corporation. All rts. reserv.

0440016066 15TJ0HQ1

**TLC Singer's Body Headed to U.S.**

AP Online

Monday, April 29, 2002

JOURNAL CODE: ALHY LANGUAGE: ENGLISH RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 169

TEXT:

...accident, was flown to the United States Monday for burial, officials said.

A private plane **carrying** her **body** left the northern Honduras city of San Pedro **Sula** bound for Atlanta, where Lopes **is** to be buried Thursday.

**2/3,K/113 (Item 12 from file: 993)**

DIALOG(R)File 993:NewsRoom 2002/

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0438003584 15TE03HZ

**Ex-Cop Pleads Guilty in FBI Scam**

AP Online

Thursday, April 25, 2002

JOURNAL CODE: ALHY LANGUAGE: ENGLISH RECORD TYPE: Fulltext

DOCUMENT TYPE: Newswire

WORD COUNT: 175

TEXT:

...A former police officer pleaded guilty Thursday to conspiring to rob **undercover** FBI agents posing as drug **money** **couriers** .

Brian C. McGarr, 42, a former officer in Independence, pleaded guilty to conspiring to steal...

...former police officer with the Kansas City and Independence police departments, authorities said.

According to **court** **documents** , Brian McGarr **was** seen in February taking \$ **6** ,700 that he believed **was** drug money from a car parked at a motel. The car was an undercover vehicle in a **sting** operation.

McGarr was tipped by an FBI informant in March that two people were waiting

**2/3,K/114 (Item 1 from file: 994)**

DIALOG(R)File 994:NewsRoom 2001

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Search Report from Ginger R. DeMille

0351000963 15MY00Y2

**Sharpening the words of war Opinion: Critics say the United States has taken too long assembling an arsenal in the worldwide battle for public support.**

SUN NATIONAL STAFF Ellen Gamerman

BALTIMORE SUN (MD), FINAL ed, p2A

Thursday, November 8, 2001

JOURNAL CODE: ACCG LANGUAGE: ENGLISH RECORD TYPE: Fulltext

DOCUMENT TYPE: Newspaper SECTION HEADING: TELEGRAPH

WORD COUNT: 1,233

...story. In the past, and as recently as the Persian Gulf war, military censors have **monitored** reporters' copy from combat **zones**, sometimes **changing** or deleting words as they saw fit.

In modern wars, some communications experts believe, officials...  
?

Search Report from Ginger R. DeMille

? show files

File 88:Gale Group Business A.R.T.S. 1976-2003/Aug 19

(c) 2003 The Gale Group

File 103:Energy SciTec 1974-2003/Aug B1

(c) 2003 Contains copyrighted material

File 148:Gale Group Trade & Industry DB 1976-2003/Aug 19

(c)2003 The Gale Group

File 180:Federal Register 1985-2003/Aug 20

(c) 2003 format only The DIALOG Corp

File 340:CLAIMS(R)/US Patent 1950-03/Aug 14

(c) 2003 IFI/CLAIMS(R)

? ds

Set	Items	Description
S1	5	TOLL? ?(S) (ACCOUNTING OR TRACK?) (S) (PAY? OR DEBIT? OR DEDU-CT? OR CHARGE? OR CHARGING? OR PAID) (3W) (DOUBLE OR TWICE OR T-WO()TIMES OR MORE()THAN()ONCE)
S2	5	RD (unique items)

? t2/3,k/all

2/3,K/1 (Item 1 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

(c) 2003 The Gale Group. All rts. reserv.

04153451 SUPPLIER NUMBER: 19009697

**Copyright and a democratic civil society.**

Netanel, Neil Weinstock

Yale Law Journal, 106, n2, 283-387

Nov, 1996

ISSN: 0044-0094

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 64816 LINE COUNT: 05369

... Management Group" with the intent to promote widescale electronic clearance, per-use billing, encryption, and **tracking** for content that is available over digital networks. See Copyright Clearance Ctr., Inc., Press Release...F.3d 913, 936 (2d Cir. 1994) (Jacobs, J., dissenting) (noting that plaintiff journal publisher **charged** institutional subscribers **double** normal subscription rate in expectation that employees would copy articles for personal use). At the...onerous than some minimalist critics fear. Charges could take place automatically and mechanically, much like **toll** charges on a phone bill or, more likely, as a lump sum license fee, added...

2/3,K/2 (Item 1 from file: 103)

DIALOG(R)File 103:Energy SciTec

(c) 2003 Contains copyrighted material. All rts. reserv.

03231208 CANM-91-001255; EDB-91-158644

**Title: Natural gas purchasing practices in Ontario**

Author(s): Milne, P. (Peter Milne Associates Inc., Ottawa, ON (Canada))

**Title: Twenty-ninth annual conference (of the) Ontario Petroleum Institute Inc.**

Corporate Source: Ontario Petroleum Inst., Inc., Chatham, ON (Canada)

Conference Title: 29. annual conference (of the) Ontario Petroleum Institute Inc

Conference Location: London (Canada) Conference Date: 14-16 Nov 1990

Publication Date: 1990

p 1-16, Paper 14 (vp.)

Report Number(s): OPI-CE03915 CONF-9011246--; CE--03915

Search Report from Ginger R. DeMille

Language: In English

...Abstract: factor than producers selling Alberta gas to export markets.  
The price of Ontario gas will **track** the weighted average delivered cost of Union Gas's other long-term gas supplies, which is currently above the price that Ontario industrial consumers are willing to **pay**, and almost **twice** as high as the delivered cost of Western Gas Marketing Limited supply, Union's most...  
...to Alberta producers. The pricing formula ensures that the price reflects the full TransCanada Pipelines **toll**, including fuel, to the local distributor.

**2/3,K/3 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

04579522 SUPPLIER NUMBER: 08481602 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Out of commission? (travel agencies' commissions) (Travel Weekly Focus on Hotels)**

Field, Mike

Travel Weekly, v49, n43, pF14(4)

May 28, 1990

ISSN: 0041-2082

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2679 LINE COUNT: 00204

... payment is forthcoming, we have established a toll-free number the agent may call to **track** down the payment. If we've made a mistake, we will **pay double**."

She estimates that nearly a quarter of all Marriott business is generated through agents. "Every...

**2/3,K/4 (Item 1 from file: 180)**

DIALOG(R)File 180:Federal Register

(c) 2003 format only The DIALOG Corp. All rts. reserv.

DIALOG Accession Number: 02423522

Supplier Number: 970603155

**Medicare Program; Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 1998 Rates**

Volume: 62 Issue: 105 Page: 29902

CITATION NUMBER: 62 FR 29902

Date: MONDAY, JUNE 2, 1997

TEXT:

...Urban and Rural Hospitals) (Case Weighted) April 1997

Table 8B--Statewide Average Capital Cost-to- **Charge** Ratios for Urban and Rural Hospitals (Case Weighted) April 1997

Table 1A.--National Adjusted Operating...

**2/3,K/5 (Item 1 from file: 340)**

DIALOG(R)File 340:CLAIMS(R)/US Patent

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2553201 3494095

**E/ADAPTABLE PERSONNEL SUPERVISORY SYSTEM WITH AUTOMATIC FEE COLLECTION**

Inventors: Newell Joseph P (US); Page David M (US); Riggs Elvin L (US);  
Stinton Vincent D (US)

Assignee: BI Inc

Search Report from Ginger R. DeMille

(REASSIGNED - See file 123 for details)

	Kind	Publication Number	Date	Application Number	Date
	A	US 5369699	19941129	US 9325230	19930302
		(Cited in 016 later patents)			
Cont.-in-part of:		US 5204670		US 90572905	19900823
Priority Applic:				US 9325230	19930302
				US 90572905	19900823

Calculated Expiration: 20111129

Abstract: A supervisory system and method automatically **tracks** and reports the status, e.g., current address, employer, telephone number, etc., of a group...

...g., once a month, through a fee-based telephone network that automatically charges a prescribed **toll** fee to the originating telephone number whenever telephone contact remains established for more than a...

...before the preamble time period expires, thereby preventing the incoming caller from being charged the **toll** fee. Further, if a given enrollee attempts to report in more than once during the...

...is disconnected before the preamble time period expires, thereby preventing the incoming caller from being **charged** the **toll** fee **more than once** for a given reporting period. When valid telephone contact is established, the identify of the...

?



Search Report from Ginger R. DeMille

? show files

File 62:SPIN(R) 1975-2003/Jul W1

(c) 2003 American Institute of Physics

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

File 94:JICST-EPlus 1985-2003/Aug W2

(c)2003 Japan Science and Tech Corp(JST)

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13

(c) 2002 The Gale Group

? ds

Set	Items	Description
S1	2055	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	0	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE- RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1- W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN- ING)
S4	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W- ) (TWICE OR MORE()THAN()ONCE)
S5	1237	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONL- Y)
S6	6455	TOLL OR TOLLS
S7	0	S2 OR S3
S8	0	S4 AND S6
S9	0	S7 OR S8
S10	0	RD (unique items)
S11	16	(S1 OR S5) (S)S6
S12	62	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	0	S5(S)S12
S14	0	RD (unique items)
S15	0	S10 OR S14
S16	0	S2 OR S3 OR S4 OR S10 OR S15
S17	0	RD (unique items)
S18	16	S11 OR S17
S19	16	RD (unique items)

? t19/3,k/all

19/3,K/1 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

05363052 JICST ACCESSION NUMBER: 02A0939974 FILE SEGMENT: JICST-E

**Investigation and Realization of pay-TV System on IP Network. Experiment on TV broadcasting System over IP Multicast with User Authentication.**

KITAMURA MASAKAZU (1); OSHIUMI TAKUSHI (1); NISHIO SHUICHI (1); MOTONO TOMOHARU (1); ODA YOSHIKAZU (2)

(1) Nippon Telegraph and Telephone West Corp., JPN; (2) Ntnishinihon Gijutsubu

Joho Shori Gakkai Shinpojiumu Ronbunshu, 2002, VOL.2002,NO.15, PAGE.111-116 , FIG.3, TBL.2, REF.10

JOURNAL NUMBER: Y0978BAT ISSN NO: 1344-0640

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:654 681.3.02-759 681.3.066

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: This paper describes how to realize toll TV systems utilizing

Search Report from Ginger R. DeMille

IP multicast technology. When applying the current IP multicast technology to the...

...for solving these problems. Among these, we performed an experiemnt on the method that does **not** require **charge** on user terminals. Through the experiment, we could confirm a certain amount of validity and...

19/3,K/2 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09896323

Virt-x announces more job cuts as bear market takes its toll

UK: Virt-X Swiss-London virtual stock market cuts back

The Times (TS) 04 Oct 2002

Language: ENGLISH

... back its trading focus and announced more job cuts. The bear market has taken its **toll** on the venture, which was formed by the merger of the Swiss stock exchange and...

... in 2001. VIRT-X's new chief executive, Peter Keller, nevertheless maintains that his market **will** **once** again offer the entire Dow Jones Stoxx 600 when business picks up. Under the current...

19/3,K/3 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09878373

TelstraClear, Telecom resolve local billing stoush

New Zealand: Telecom, TelstraClear settle differences

New Zealand Herald (XAV) 16 Sep 2002

Language: ENGLISH

... standing conflict pertaining to the issue of local call billing. Under the resolution, both parties **will** **not** **charge** each other for local calls, including Internet calls. As well, number portability for **toll** -free 0508 and 0800 numbers will also be allowed. The two telcos have also cleared...

19/3,K/4 (Item 3 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09872980

Wieder Krach zwischen Regulator und Telekom

Austria: Dispute between TA and TKK

Der Standard (XGO) 11 Sep 2002

Language: GERMAN

There **is** **once** again a dispute between the Telekom Austria (TA) and the telecom regulator because on 9 September 2002 the telecom control commission (TKK) lowered the telephone **toll**. According to TA this interconnection fee was lowered by 4.8%, which it considers to...

19/3,K/5 (Item 4 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09844242

Autostrade: Aiscat, pagamento pedaggio e' un obbligo  
Italy: AISCAT denies free motorway toll in slow traffic  
Il Sole 24 Ore (ISO) 08 Aug 2002  
Language: ITALIAN

... Motorways and Tunnels Operators, has firmly denied the claim that drivers have a constitutional right **not** to **pay** motorway **tolls** in slow-traffic conditions or in the presence of long tailbacks. The claim had been given plenty of coverage in the media. AISCAT points out that the **toll** payment is a duty envisaged by the road code, whose application is not at the...

19/3,K/6 (Item 5 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09685637

Ahora impiden utilizar plazos fijos para cancelar saldos de tarjetas  
Argentina: New measures please banks  
Clarín (Argentina) (ESK) 28 Jan 2002  
Language: SPANISH

... measures, consumers will have to take care of payments done by credit cards, and banks **will not pay** from their own funds any longer, taking into account that the money which makes up...

...is to do with their lack of funds. The pressure of the banks took its **toll** on the Central Bank decision. \*...

19/3,K/7 (Item 6 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09680949

Ezi money in keeping eye on workers  
New Zealand: Panztel releases new timesheet system  
New Zealand Herald (XAV) 19 Jan 2002 Online  
Language: ENGLISH

... all set to ink a deal to purchase the software-based EziTracker system. The system **is** activated **once** an employee dial in a PIN through a **toll**-free number. Panztel plans to enhance the system by adding an alarm function in March...

19/3,K/8 (Item 7 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

09575680

Commuters 'should pay far more'  
UK: RAIL COMMUTERS NOT PAYING ENOUGH SAYS STUDY  
Independent (TI) 07 Aug 2001 p.8

Language: ENGLISH

UK rail commuters should pay more to travel and car drivers are **not** being **charged** enough, claims a new study by Leeds University's Institute of Transport Studies that was...

... are having to pay too much for travelling in cramped conditions. The study believes that **tolls** should be introduced on roads close to large cities and that electronic pricing should be...

**19/3,K/9 (Item 8 from file: 583)**

DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

09517695

Jalan Kuching, Jalan Duta to be upgraded  
MALAYSIA: GOVERNMENT TO UPGRADE ROADS  
New Straits Times. (XAS) 03 May 2001 p.9  
Language: ENGLISH

... project is to utilise funds from the scheme of deferred payment via fixed tenders. The **toll** will **not** be **charged** on the new upgraded roads. In addition, the concession pact for the **toll** on Jalan Kuching will not be extended by the government after 7 January 2003. The...

**19/3,K/10 (Item 9 from file: 583)**

DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

09471694

VAT charges to be delayed  
THAILAND: EXPRESSWAY TOLL TO BE TAX-FREE?  
Bangkok Post (XBN) 22 Feb 2001 Online  
Language: ENGLISH

... Expressway and Rapid Transit Authority's plans to include value-added tax (VAT) to expressway **tolls** come 1 April 2001 has been thwarted. Standing in the way of the Authority's...

... Mr Sombat also said that when the Authority is allowed to include the VAT in **toll** rates, it should round-down the rates to the nearest amount and **not** over- **charge** motorists.

**19/3,K/11 (Item 10 from file: 583)**

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09446080

Zu hohe Geb hren in Telefonkabinen  
SWITZERLAND: RULING AGAINST SWISSCOM  
Neue Z rcher Zeitung (NZZ) 20/21 Jan 2001 p.30  
Language: GERMAN

... Court has confirmed a decision of the federal communication commission according to which Swisscom must **not** **charge** more than SFr 0.50 for calls from Swisscom public phones to **toll** -free numbers of other telecom providers. Swisscom had charged a basic fee of SFr 0...

19/3,K/12 (Item 11 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09222330

Acesa aplica desde hoy las rebajas en las autopistas catalanas

SPAIN: PRICE REDUCTION APPLIED IN TOLL MOTORWAYS  
Cinco Dias (CDS) 10 Jan. 2000 p.12  
Language: SPANISH

... 2000 has entered into force Spanish government decree concerning a 7% reduction in fees of toll motorways. Such regulation focuses fee reduction on some sectors instead of apply it in the...

...Sur and Girona Norte sector; by Torredembarra-Vilaseca-Salou sector; and by Sant Cugat sector, will not pay any fee.

19/3,K/13 (Item 12 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06689814

Ministry to exclude traffic volume review for highway projects

MALAYSIA: RULE FOR ROAD PRIVATISATION  
Business Times Malaysia (XAR) 18 Sep 1998 ShippingTimes p. 1  
Language: ENGLISH

... This would mean that if the road concession holders found that traffic volume of the toll road is lower than expected, Malaysian Government will not pay them compensation. Currently, compensation was paid to toll road concession holders if there is a shortfall of traffic volumes. Meanwhile, the government would...

19/3,K/14 (Item 13 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06601690

Manulife offers no-load fund aimed at China

CHINA: MANULIFE TO LAUNCH CHINA VALUE FUND  
The Asian Wall Street Journal (XKO) 18 Mar 1998 p.11  
Language: ENGLISH

... Cheah said stocks that fit the bill include shoe retailer Le Saunda Holdings Ltd. and toll -road operator Road King Infrastructure Ltd. He says the time is ripe to buy into...

... Like Manulife's other funds, the China Value Fund will be no-load, meaning it won't charge an initial investment fee. An annual management fee of 1.5% is charged. If an...

19/3,K/15 (Item 14 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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Search Report from Ginger R. DeMille

06538458

Bnl nel phone banking. Con Telebanca punta a 200.000 nuovi clienti

ITALY: BNL LAUNCHES TELEBANCA

Il Sole 24 Ore (ISO) 24 Oct 1997 p.37

Language: ITALIAN

... five years, BNL offers the possibility of making the most frequent bank operations through a **toll** -free telephone number. Clients who will open a 'CostoZero' account (linked with Telebanca BNL) **will not pay** the first year credit card fee and the first 100 bank transactions. BNL will also...

19/3,K/16 (Item 15 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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03006381

SINGAPORE TELECOM OFFERS TOLL-FREE SERVICE

INDONESIA - SINGAPORE TELECOM OFFERS TOLL-FREE SERVICE

Singapore Business Times (SBT) 28 September 1989 p2

Singapore Telecom is offering its international **toll** -free service to Indonesia. The service enables an overseas caller to contact a Singapore number...

... service already operates to the US, Australia, Hong Kong and Japan. Subscription costs SDlr1k, there is a **one - time** charge of USDlr400 and quarterly rental is USDlr600.

?

Search Report from Ginger R. DeMille

? show files

File 62:SPIN(R) 1975-2003/Jul W1

(c) 2003 American Institute of Physics

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

File 94:JICST-EPlus 1985-2003/Aug W3

(c)2003 Japan Science and Tech Corp(JST)

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13

(c) 2002 The Gale Group

? ds

Set	Items	Description
S1	10	TOLL()(ZONE? ? OR LANE? ?)
S2	96135	ZONE? ? OR LANE? ?
S3	105119	EXIT? OR LEAVE? OR LEAVING? OR SWERV? OR "MOVE()FROM" OR R- REMOVE?
S4	1625	REENTER? OR RE()(ENTER? OR ENTRY? OR ENTRANCE) OR REENTRAN- CE?
S5	242501	ENTER? OR ENTRANCE? OR RETURN?
S6	528	(CHARGE? OR CHARGING? OR PAY?)(5N)(TOLL OR TOLLS)
S7	0	(S1 OR S2) AND (S3 OR S5) AND S4 AND S6
S8	7	(S1 OR S2) AND (S3 OR S5) AND S6
S9	7	RD (unique items)

? t9/3,k/all

9/3,K/1 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09098229

Expressway smart cards put in the slow lane

THAILAND: SMART CARD SYSTEM FOR HIGHWAY HALTED

Bangkok Post (XBN) 30 Apr 1999 p.3

Language: ENGLISH

Expressway smart cards put in the slow lane

... for the first 20 km. The contactless smart card system involves drivers collecting cards upon **entrance** into the expressway. **Tolls** will be **charged** when drivers **return** the cards at **exits** where readings will then be taken.

9/3,K/2 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06677755

Cabbies who take passengers to KLIA allowed extra RM 10

MALAYSIA: OUT OF **ZONE** OPERATION FOR SUKOM

New Straits Times (XAS) 27 Aug 1998 p.7

Language: ENGLISH

MALAYSIA: OUT OF **ZONE** OPERATION FOR SUKOM

...the Commonwealth Games (Sukom) to be held in Malaysia, taxis are allowed for out of **zone** operation commencing 1 - 30 September 1998. This was to ensure tourist and visitors are adequately...

...above the meter to Jalan Duta bus stops. This is to cover the cost of

Search Report from Ginger R. DeMille

**returning** without any passengers, said Datuk Mustapa Mohamed, Entrepreneur Development Minister. For the same reason as above and to cover **toll charges**, for a drive to Kuala Lumpur International Airport (KLIA), taxis drivers are entitled to a...

9/3,K/3 (Item 3 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06566928

Dragados, Acciona y Ferrovial compiten por construir el mayor puente\

ARGENTINA/URUGUAY: MAJOR BRIDGE PROJECT

Expansion (EXN) 06 Jan 1998 p.3

Language: SPANISH

... largest bridge project in the world. It will be 20 meters wide and have 2 **lanes** running in either direction. The project is scheduled to be completed in 2003. Some 5,500 vehicles, each **paying** US\$ 75 in **tolls**, are expected to use the bridge daily. The operation rights for the bridge will be...

...Skanska, Acciona, Ferrovial and Perez Companc. 2. Mitsubishi Corporation and Mitsubishi Heavy Industries. 3. GTM- **Enterprise**, Dumez GTM, COT, Impregilo, Benito Roggio, Jose Castellone and Sideco Americana. 4. Campenon Bernard, Kvaerner...

...COMPANY: SGE; KVAERNER; CAMPENON BERNARD; SIDECO AMERICANA; JOSE CASTELLONE; BENITO ROGGIO; IMPREGILO; COT; DUMEZ GTM; GTM- **ENTERPRISE**; MITSUBISHI; PEREZ; FERROVIAL; ACCIONA; SKANSKA; COMERCIAL DEL PLATA

9/3,K/4 (Item 4 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06510932

PNCC starts computerized card collection scheme

PHILIPPINES: NEW CARD COLLECTION SCHEME OF PNCC

Computerworld Philippines (AKA) 15 Aug 1997 P.5

Language: ENGLISH

... will be issued to motorists at entry points and are submitted to toll tellers at **exit** points. The cards have pre-recorded data like the car's serial number, vehicle class and entry point. The cards are swiped to card reading terminals at the **exit** point which calculate and display the toll amount outstanding with the data stored in a disk integrated in the terminal. The motorists have to **pay** the required **toll** at the **exit** points. The PNCC has also implemented loop detectors at each of the **exit lanes** where the terminals are located. The detectors count the vehicle numbers that pass by, which permits the PNCC to counter check the transactions **entered** in the terminals with the vehicle numbers passing through a **lane**.

9/3,K/5 (Item 5 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06378222



Search Report from Ginger R. DeMille

India paves way for private road builders

INDIA: PRIVATE SECTOR TO TAKE ON ROAD BUILDING  
Asia Times (AAX) 11 Oct 1996 P.12  
Language: ENGLISH

... upgrade existing roads, and the Indian government will foot the bill - in the form of **paying** the **toll**. This plan is extended to all projects that involves upgrading of existing two- **lane** roads on the highway or expanding single- **lane** stretches into double **lanes**. At present, more than 50% of the nation's 34,298 km highways and 5,000 km of single **lane** stretches are in need of expansion. Since the Indian government has no financial means to...

... The private sector entrusted with the task, will be reimbursed the construction cost with reasonable **returns** through annual payment from the budget.

9/3,K/6 (Item 6 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06012018

Cabbies anxious about effects of ERP on earnings and fares

SINGAPORE: CABBIES WORRIES ABOUT ERP  
The Straits Times (XBB) 04 Jul 1994 P. 21  
Language: ENGLISH

... out the ERP system, many cabbies have voiced their concern since they are expected to **pay** the **toll charges** when they **enter** the ERP **zones** even when there is no passengers. This will increase their cost. They are afraid that their business will be affected if passengers are asked to **pay** the **toll charges** since taxi rides will become more expensive. They have asked questions such as who will **pay** the **toll charges** if the passengers in the ERP **zones** calls for a taxi and who will pick up the **toll charges** if the taxi drivers have to pass the East Coast Parkway to get to Changi...

9/3,K/7 (Item 7 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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04196267

MAJOR MOTORWAY AND RAIL PROJECT PLANNED

NORWAY/SWEDEN - MAJOR MOTORWAY AND RAIL PROJECT PLANNED  
Dagens Naeringsliv (DN) 4 April 1991 p2  
Language: Norwegian

... project is planned between Oslo and Gothenburg after the Oresund bridge is completed. A four- **lane** motorway and two-track railway track are planned by a working group made up of...

... county councils. Most of the construction will be privately financed. The motorway will have a **toll paying** system and rail ticket prices will have an extra Nkr100 added on to them. The project has equity capital of Nkr1.6 bil, which **leaves** the Norwegian and Swedish govts with Nkr500 mil to pay/y for ten years. Norwegian...

...the railway to two tracks from Ski to Moss. In order to build a four-

Search Report from Ginger R. DeMille

lane motorway along the stretch, some NKr2.2 bil is required from Norway  
and NKr4.7...  
?

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? show files

File 6:NTIS 1964-2003/Aug W3

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File 63:Transport Res(TRIS) 1970-2003/Jul

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? ds

Set	Items	Description
S1	187	TOLL()(ZONE? ? OR LANE? ?)
S2	62873	ZONE? ? OR LANE? ?
S3	47177	EXIT? OR LEAVE? OR LEAVING? OR SWERV? OR "MOVE()FROM" OR R-EMOVE?
S4	1425	REENTER? OR RE()(ENTER? OR ENTRY? OR ENTRANCE) OR REENTRANCE?
S5	57181	ENTER? OR ENTRANCE? OR RETURN?
S6	772	(CHARGE? OR CHARGING? OR PAY?)(5N)(TOLL OR TOLLS)
S7	0	(S1 OR S2) AND (S3 OR S5) AND S4 AND S6
S8	16	(S1 OR S2) AND (S3 OR S5) AND S6
S9	16	RD (unique items)

? t9/3,k/all

9/3,K/1 (Item 1 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

(c) fmt only 2003 Dialog Corp. All rts. reserv.

00823539 DA

**TITLE: CONGESTION AND TRAFFIC MANAGEMENT**

AUTHOR(S): Poole, RW, Jr

CORPORATE SOURCE: Greenwood Publishing Group, 88 Post Road West, Westport, CT, 06881-

JOURNAL: Contributions in Economics and Economic History Issue Number: 224 Pag: pp 59-77

PUBLICATION DATE: 20010000 PUBLICATION YEAR: 2001

LANGUAGE: English SUBFILE: HRIS (H)

ISSN: 00849235

AVAILABILITY: Greenwood Publishing Group; 88 Post Road West ; Westport ; CT ; 06881-

ORDER NUMBER: N/A

FIGURES: 1 Fig. TABLES: 2 Tab.

...ABSTRACT: pricing can be developed. The most successful programs thus far have high-occupancy/toll (HOT) **lanes** allowing vehicles not meeting the car-pooling requirement to purchase excess capacity in those **lanes**. The article suggests that a reform of highway finance is necessary to make road pricing...

...concludes by suggesting the following policy changes: defederalize the highway system; convert high occupancy vehicle **lanes** to HOT **lanes**; use annual registration fees for local streets and roads; end "double taxation" of **paying** both **tolls** and fuel taxes; enact public-private partnership laws; and develop national standards for electronic tolling.

...DESCRIPTORS: Demand; Road pricing; Peak hour traffic; Off peak periods; Political factors; Congestion pricing; High occupancy **toll lanes**; Financing; Automated toll collection; Technological innovations; Vehicle miles of travel; Global Positioning System; Public utilities; Federal government; Private **enterprise**; Standards; Public private partnerships; Taxation; Registration fees; High occupancy vehicle **lanes**

Search Report from Ginger R. DeMille

9/3,K/2 (Item 2 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

(c) fmt only 2003 Dialog Corp. All rts. reserv.

00814549 DA

**TITLE: ONE STEP TO GO**

AUTHOR(S): VAN DER WEES, A-J; JAEGER, W

CORPORATE SOURCE: UK & INTERNATIONAL PRESS, ABINGER HOUSE, CHURCH STREET,  
DORKING, SURREY, RH4 1DF, UNITED KINGDOM

JOURNAL: TRAFFIC TECHNOLOGY INTERNATIONAL Pag: 74-6

PUBLICATION DATE: 20010000 PUBLICATION YEAR: 2001

LANGUAGE: English SUBFILE: IRRD (I)

IRRD DOCUMENT NUMBER: E109490

ISSN: 1356-9252

DATA SOURCE: Transport Research Laboratory (TRL)

...ABSTRACT: of the Spitstarief (rush-hour tariff) system of rush-hour road pricing for vehicles **entering** Amsterdam, Rotterdam and The Hague. Spitstarief is described as one of the three plans to...

...payment for the use of motorways in the Randstadt area. The other plans concern express **lanes** (or **pay lanes**) and **toll** roads. The system aims to bring about significant reductions in congestion, particularly during the morning rush-hour. Experiments with dedicated express **lanes** will be carried out in parallel with the introduction of Spitstarief. For each of th...

...EFC) system will be installed on motorways in western Netherlands as a free-flow, multi-**lane** systems to avoid impeding traffic flow. Payment is made automatically by credit card or...

9/3,K/3 (Item 3 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00795765 DA

**TITLE: FOLEY BEACH EXPRESS DEVELOPERS WEAVE A WINNER ON DONATED ROW. CASE STUDY: ALABAMA TOLL BRIDGE**

CORPORATE SOURCE: Public Works Financing, 154 Harrison Avenue, Westfield, NJ, 07090-2433,

JOURNAL: Public Works Financing Vol: 141 Pag: pp 17-19

PUBLICATION DATE: 20000600 PUBLICATION YEAR: 2000

LANGUAGE: English SUBFILE: HRIS (H)

ISSN: 10680748

AVAILABILITY: Public Works Financing; 154 Harrison Avenue ; Westfield; NJ ; 07090-2433

ORDER NUMBER: N/A

FIGURES: 1 Fig.

...ABSTRACT: Foley in 1999 helped it to build the critical northern segment of the untolled, four-**lane** expressway to the bridge. Vacationers using the private **toll** bridge will **pay** most of the cost of the Foley Beach Express.

DESCRIPTORS: Expressways; Toll bridges; Private **enterprise**; Case studies; Right of way (Land); Financing; Bonds; Tolls; Revenues; Construction; Real property; Legislation; Foley...

9/3,K/4 (Item 4 from file: 63)

Search Report from Ginger R. DeMille

DIALOG(R)File 63:Transport Res(TRIS)  
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00783126 DA

**TITLE: IMPACTS AND LESSONS FROM VALUE PRICING THE CALIFORNIA STATE ROUTE 91 EXPRESS LANES**

AUTHOR(S): Sullivan, Edward C.  
CORPORATE SOURCE: California Polytechnic State University, San Luis Obispo.  
Civil and Environmental Engineering Dept.,  
JOURNAL: Institute of Transportation Engineers. Meeting (68th : 1998 : Toronto Ont.). Annual meeting papers [CD-ROM] Pag: 14 p.  
SUPPLEMENTAL NOTES: Publication Date: 1998 Institute of Transportation Engineers, Washington DC  
PUBLICATION DATE: 19980000 PUBLICATION YEAR: 1998  
LANGUAGE: eng SUBFILE: PATH  
SOURCE ACCESSION NUMBER: PATH Record Number 18164  
AVAILABILITY: Item held at Univ. of Calif., Berkeley, Inst Transp Studies  
Lib Refer to: <http://www.lib.berkeley.edu/ITSL/services.html>  
DATA SOURCE: University of California, Berkeley--PATH Database

**TITLE: IMPACTS AND LESSONS FROM VALUE PRICING THE CALIFORNIA STATE ROUTE 91 EXPRESS LANES**

ABSTRACT: From experience to date, value pricing and high-occupancy toll (HOT) lanes are politically acceptable forms of congestion-related pricing. The essential feature of these projects which...

...to offer substantially improved levels of service on an optional basis to travelers willing to pay tolls to bypass congestion. In all of these projects, the benefits to those choosing to...

...detail the first U.S. project employing value pricing, the California State Route 91 Express Lanes, which entered service in December 1995. The principal findings from a three year project impact assessment study...

9/3,K/5 (Item 5 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)  
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00767826 DA

**TITLE: MAKING INROADS IN PRIVATE HIGHWAY CONSTRUCTION**

AUTHOR(S): Hakim, S; Blackstone, E  
CORPORATE SOURCE: Intertec Publishing Corporation, 6151 Powers Ferry Road, NW, Atlanta, GA, 30339-2941,  
JOURNAL: American City and County Vol: 114 Issue Number: 9 Pag: pp 52-56  
PUBLICATION DATE: 19990800 PUBLICATION YEAR: 1999  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: 0149337X  
AVAILABILITY: University Microfilms; 300 N Zeeb Road ; Ann Arbor; MI ; 48106-  
ORDER NUMBER: N/A  
PHOTOS: 3 Phot.

...ABSTRACT: off local governments, but there are pitfalls. In general, consumers have shown some reluctance to pay tolls that do not vary with distance and/or time of day. Private toll roads also...

...examples of private ventures are presented. Congestion pricing has

Search Report from Ginger R. DeMille

helped make California's 91 Express **Lanes** a heralded alternative to jam-packed State Route 91. Although the Dulles Greenway provides a...  
DESCRIPTORS: PRIVATE **ENTERPRISE** ; TOLL ROADS; HIGHWAYS; ROAD CONSTRUCTION; TOLLS; LAND; EMINENT DOMAIN; RIGHT OF WAY (LAND); TAXES; REGULATIONS...

9/3,K/6 (Item 6 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00766242 DA

**TITLE: ROAD PRIVATIZATION BECOMING VIABLE OPTION**

CORPORATE SOURCE: Civil Engineering News, Incorporated, 1255 Roberts Boulevard, Suite 230, Kennesaw, GA, 30144-,  
JOURNAL: Civil Engineering News Vol: 11 Issue Number: 6 Pag: p 16  
PUBLICATION DATE: 19990700 PUBLICATION YEAR: 1999  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: 10519629  
AVAILABILITY: Civil Engineering News, Incorporated; 1255 Roberts Boulevard, Suite 230 ; Kennesaw; GA ; 30144-  
ORDER NUMBER: N/A  
PHOTOS: 1 Phot.

...ABSTRACT: Systems, originally won approval from Alabama lawmakers to build a 380-ft (116-m) two- **lane** bridge that kept getting delayed. Some 3,000 commuters now cross the **toll** road daily, gladly **paying** their 75 cents for the added convenience. With the success of his first project, many...

DESCRIPTORS: TOLL ROADS; TOLL BRIDGES; HIGHWAYS; CONSTRUCTION; PRIVATIZATION; PRIVATE **ENTERPRISE** ; ENTREPRENEURS; FINANCING; ALABAMA; GEORGIA; LOUISIANA

9/3,K/7 (Item 7 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00766237 DA

**TITLE: FRENCH FIRM TO BUILD GERMANY'S FIRST BOT**

CORPORATE SOURCE: American Association of State Highway & Transp Off, 444 North Capitol Street, NW, Suite 249, Washington, DC, 20001-,  
JOURNAL: AASHTO International Transportation Observer Pag: p 8  
SUPPLEMENTAL NOTES: This publication appears as a special insert in the Fall 1998-Winter 1999 issue (Volume 77, Number 4-Volume 78, Number 1) of AASHTO Quarterly.  
PUBLICATION DATE: 19980000 PUBLICATION YEAR: 1998  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: N/A  
AVAILABILITY: American Association of State Highway & Transp Off; 444 North Capitol Street, NW, Suite 249 ; Washington; DC ; 20001-  
ORDER NUMBER: N/A  
PERIOD COVERED: Fall

...ABSTRACT: private sector companies who shoulder much of the risk and obtain the rewards, generally through **tolls charged** for highways, bridges, or tunnels over a specified time period before transferring the property to...

...autobahn and the B103 state road, is expected to be completed in 2002. The two- **lane** tunnel will be approximately 3 km in length and is expected to have an average...

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DESCRIPTORS: DESIGN BUILD CONSTRUCTION; CONCESSIONS; TOLL TUNNELS;  
INFRASTRUCTURE; FINANCING; TOLLS; PRIVATE **ENTERPRISE** ; GERMANY; BUILD  
OPERATE TRANSFER

9/3,K/8 (Item 8 from file: 63)

DIALOG(R) File 63:Transport Res(TRIS)

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00764961 DA

**TITLE: DULLES GREENWAY REFINANCING CLOSED**

CORPORATE SOURCE: Public Works Financing, 154 Harrison Avenue, Westfield,  
NJ , 07090-2433,

JOURNAL: Public Works Financing Vol: 128 Pag: pp 12-13

PUBLICATION DATE: 19990400 PUBLICATION YEAR: 1999

LANGUAGE: English SUBFILE: HRIS (H)

ISSN: 10680748

AVAILABILITY: Public Works Financing; 154 Harrison Avenue ; Westfield;  
NJ ; 07090-2433

ORDER NUMBER: N/A

...ABSTRACT: 11% loans with longer-term zeros will allow the Greenway's  
private owners to begin **paying** debt service from **toll** revenues for  
the first time since the 14-mi (23-km), four- **lane** highway was opened  
in September 1995. A standstill agreement with lenders was set to  
expire...

DESCRIPTORS: TOLL ROADS; PRIVATE **ENTERPRISE** ; FINANCING; LOANS; INTEREST  
RATES; DEBT; REVENUES; TOLLS; BONDS; VIRGINIA; DULLES GREENWAY TOLL  
ROAD; REFINANCING

9/3,K/9 (Item 9 from file: 63)

DIALOG(R) File 63:Transport Res(TRIS)

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00753245 DA

**TITLE: DRIVERS' PERCEPTION SURVEY FOR TOLL LANES AND CAR POOLS**

AUTHOR(S): Kwon, E; Kelen, C

CORPORATE SOURCE: Institute of Transportation Engineers, 525 School Street,  
SW, Suite 410, Washington, DC, 20024-2729,

JOURNAL: ITE Journal Vol: 68 Issue Number: 7 Pag: p 14

PUBLICATION DATE: 19980700 PUBLICATION YEAR: 1998

LANGUAGE: English SUBFILE: HRIS (H)

ISSN: 01628178

AVAILABILITY: Institute of Transportation Engineers; 525 School Street, SW,  
Suite 410 ; Washington; DC ; 20024-2729

ORDER NUMBER: N/A

**TITLE: DRIVERS' PERCEPTION SURVEY FOR TOLL LANES AND CAR POOLS**

...ABSTRACT: back questionnaire survey was conducted with drivers commuting  
to downtown Minneapolis, Minnesota, where the first **toll - lane**  
demonstration project was planned to start in November 1997. The survey  
focused on the drivers' perceptions of the **toll lane** , maximum  
acceptable amount of toll, and willingness to switch to a carpool or  
express bus running on a **toll lane** . Approximately 1,500  
questionnaires were distributed randomly to drivers at parking garages  
located in downtown Minneapolis; 380 were **returned** by mail.  
Preliminary analysis indicates that 53% of respondents were willing to  
use a **toll lane** with the one-way toll ranging from 10 cents to \$2.  
Furthermore, 46% of respondents indicated that they would use a **toll**

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**lane** if the toll was 50 cents one way, while only 26% would do so if the toll was \$1. The average maximum **toll** drivers were willing to **pay** was 71 cents. Forty-three percent of single-occupancy vehicle drivers would switch to a...

...time by 20 minutes, while 49% indicated that they would be willing to take the **toll - lane** -based express bus if the additional trip time was below 20 minutes.  
DESCRIPTORS: MINNEAPOLIS (MINNESOTA); SURVEYS (DATA COLLECTION); CONGESTION PRICING; TOLL ROADS; **LANES** ; HIGH OCCUPANCY VEHICLE **LANES** ; TOLLS; CARPOOLING; PUBLIC OPINION; EXPRESS BUSES; DECISION SUPPORT SYSTEMS

9/3,K/10 (Item 10 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00743117 DA  
**TITLE: COMPARISON OF TOLLING STRATEGIES FOR HIGHWAY 407 IN THE GREATER TORONTO AREA**  
AUTHOR(S): Mekky, A  
CORPORATE SOURCE: Transportation Research Board, 2101 Constitution Avenue, NW , Washington, DC, 20418,  
JOURNAL: Transportation Research Record Issue Number: 1576 Pag: pp 28-36  
SUPPLEMENTAL NOTES: This paper appears in Transportation Research Record No. 1576, Financial, Economic, and Social Topics in Transportation.  
PUBLICATION DATE: 19970000 PUBLICATION YEAR: 1997  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: 03611981 ISBN: 0309062055  
AVAILABILITY: Transportation Research Board Business Office; 2101 Constitution Avenue, NW ; Washington; DC ; 20418  
ORDER NUMBER: N/A  
FIGURES: 10 Fig. TABLES: 1 Tab.  
REFERENCES: 6 Ref.

...ABSTRACT: in North America, with a population of about 5 million. Highway 407, a six-/four- **lane** freeway in the GTA, has been considered for many years as a relief for Highway...

...traveled on the highway. In Strategy 2, vehicles on Highway 407 are tolled on the **entrance** ramps as well as at some points on the highway (main "virtual" plazas). In Strategies 3 and 4, each driver has two choices. The first is to **pay** a **toll** depending on the distance traveled. The second is to **pay** a certain fixed **toll** once the driver crosses certain points on the highway (mainline plazas) and on the **exit** ramps. The strategies are compared from the points of view of the number of users...

9/3,K/11 (Item 11 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2003 Dialog Corp. All rts. reserv.

00735591 DA  
**TITLE: IN THE PICTURE**  
CORPORATE SOURCE: Route One Publishing Limited, 6 Coronation Avenue, Nottingham NG11 7AB, England  
JOURNAL: World Highways/Route du Monde Vol: 6 Issue Number: 2 Pag: pp 43-44



Search Report from Ginger R. DeMille

PUBLICATION DATE: 19970300 PUBLICATION YEAR: 1997  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: 09644598  
AVAILABILITY: Route One Publishing Limited; 19/21 High Street ; Sutton,  
Surrey SM1 1DJ; England  
ORDER NUMBER: N/A  
PHOTOS: Photos.

...ABSTRACT: Ontario, Canada, will carry 160 million vehicles a year, with around 85 percent of these **paying tolls** using a traditional transponder. While it is hoped differential toll prices will encourage regular users...

...will have 900 video cameras at 125 points along the road, enough for two per **lane** at entry and **exit** points on average. They will automatically photograph the rear license plate of any vehicle not fitted with a transponder, when it **enters** and **exits** the highway: together the cameras can record 100,000 license plate images per day.

9/3,K/12 (Item 12 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2003 Dialog Corp. All rts. reserv.

00731413 DA

**TITLE: ROAD PRICING IN THE STOCKHOLM REGION; VAEGTULLAR I STOCKHOLMSREGIONEN**

CORPORATE SOURCE: FRITZES KUNDTJAENST, STOCKHOLM, S-106 47, SWEDEN  
JOURNAL: STATENS OFFENTLIGA UTREDNINGAR Issue Number: 1994:142 Pag:  
130P+APP

PUBLICATION DATE: 19940000 PUBLICATION YEAR: 1994  
LANGUAGE: SWEDISH SUBFILE: IRRD (I)  
IRRD DOCUMENT NUMBER: 886454  
ISSN: 0375-250X ISBN: 91-38-13832-8  
DATA SOURCE: Transport Research Laboratory (TRL)

...ABSTRACT: around Stockholm and on the Western Route. All traffic towards Stockholm will thus have to **pay tolls**. Municipalities on the outside of the ring road criticise the proposed location since residents cannot avoid paying while travelling inside the municipality and cannot **enter** the national road network without paying. Once the ring road is finished, Stockholm will be divided into **zones** and this will restrict entry of traffic. Initially, tariffs will be differentiated by weight class...

9/3,K/13 (Item 13 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2003 Dialog Corp. All rts. reserv.

00729846 DA

**TITLE: NO STOPPING NOW**

AUTHOR(S): MCCABE, E  
CORPORATE SOURCE: ROUTE ONE PUBLISHING LTD, 19/21 HIGH STREET, SUTTON,  
SURREY, SM1 1DJ, UNITED KINGDOM  
JOURNAL: WORLD HIGHWAYS/ROUTES DU MONDE Vol: 5 Issue Number: 5 Pag:  
65-6

PUBLICATION DATE: 19960000 PUBLICATION YEAR: 1996  
LANGUAGE: ENGLISH SUBFILE: IRRD (I)  
IRRD DOCUMENT NUMBER: 885141

Search Report from Ginger R. DeMille

ISSN: 0964-4598

DATA SOURCE: Transport Research Laboratory (TRL)

...ABSTRACT: Ontario Province, Canada, by the end of 1996. This 699k m long, controlled-access, multi- **lane** toll highway will have an advanced fully electronic toll collection (ETC) system. Drivers will be able to **pay** **tolls** without stopping or even slowing down, and without toll booths or toll plazas. Route 407...

...a fibre optics network communications system, and linked to a central operations facility. When vehicles **enter** or **exit** at one of the route's 28 interchanges, they will pass under a tolling frame...

...transponders. Vehicles without transponders will have their number plates recognised by video, but have to **pay** higher **tolls**. Users of the highway will be able to choose from several payment options.

9/3,K/14 (Item 14 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00723416 DA

**TITLE: VIA VERDE (GREEN LANE ) NON-STOP TOLLING SYSTEM**

AUTHOR(S): Braga, J; Tavora, V

CORPORATE SOURCE: Vertis. Vehicle, Road and Traffic Intelligence Society,  
2-3-18, Kudan-Minami, Chiyoda-ku, Tokyo 120, Japan

REPORT NUMBER: Volume 3

Pag: p 1444

SUPPLEMENTAL NOTES: Five volumes of papers and one volume of abstracts  
comprise the published set of conference materials.

PUBLICATION DATE: 19951100 PUBLICATION YEAR: 1995

LANGUAGE: English SUBFILE: HRIS (H)

ISSN: N/A

AVAILABILITY: Vertis. Vehicle, Road and Traffic Intelligence Society;  
2-3-18, Kudan-Minami, Chiyoda-ku ; Tokyo; Japan

ORDER NUMBER: N/A

CONFERENCE TITLE: Steps Forward. Intelligent Transport Systems World  
Congress

**TITLE: VIA VERDE (GREEN LANE ) NON-STOP TOLLING SYSTEM**

...ABSTRACT: a non-stop tolling system. Since April 1991, BRISA has been operating 12 nonstop tolling **lanes** installed in 4 main toll plazas around Lisbon, using "read only" tags. Forty percent of the total traffic uses these automatic **lanes**. This was phase one--an "open" toll system. The second phase of the project, to...

...of 500 km increasing to 780 km in 1997. All toll plazas have automatic tolling **lanes**. Tags are "read/write" and the frequency is the European standard--5.8 GHz. All automatic **exit** **lanes** have no barriers and are equipped with video enforcement. Within this nonstop tolling "closed" system, vehicles are identified at the entry **lanes** and information stored in the tag are read by the **exit** antenna transmitting them in real time to several plaza computers, connected to a central computer...

...now 140,000 and the target is 350,000 by the end of the year. Toll taxes are automatically **charged** on the client's bank account.

9/3,K/15 (Item 15 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00496955 DA

**TITLE: CALIFORNIA TOLL COLLECTOR FOUND LIABLE FOR PEDESTRIAN'S INJURIES  
RECEIVED IN TOLL BOOTH ISLAND**

CORPORATE SOURCE: TranSafety, Incorporated, 5811 Oak Leather Drive, Burke,  
VA, 22015,

JOURNAL: TRANSAFETY REPORTER Vol: 8 Issue Number: 4 Pag: pp 2-3

PUBLICATION DATE: 19900400 PUBLICATION YEAR: 1990

LANGUAGE: English SUBFILE: HRIS (H 9003)

ISSN: 0884612X

AVAILABILITY: TranSafety, Incorporated; 5811 Oak Leather Drive ; Burke  
; VA ; 22015

ABSTRACT: A \$965,000 award for injuries received by a pedestrian while  
**leaving** a toll booth was upheld by a California Court of Appeals. The  
pedestrian, who traveled this route on a regular basis in a certain  
**lane**, did not realize that the **toll lane** had been changed until it  
was too late for him to change **lanes** so, he was unable to **pay** the  
**toll** from his automobile. He parked his automobile, got out and headed  
for a toll booth, crossing **lanes** of traffic in order to **pay** his  
**toll**. Once at the **toll** booth window, the **toll** collector would not  
accept his **payment** and yelled instructions at him which did not  
consider the pedestrian's safety. The pedestrian turned to **leave** the  
booth crossing into **lanes** of traffic and was hit by a vehicle coming  
through one of the **toll lanes**. It was found that the toll collector  
was had not conducted himself properly, that his...

...the subterranean tunnel leading to an administration building on the  
median rather than crossing into **lanes** of traffic. Gruber v. State.

A041027 Cal. App. 1 Dist. 1989

DESCRIPTORS: TOLL AREAS; ACCIDENT; LIABILITY; PEDESTRIANS; TRAFFIC **LANE** ;  
PEDESTRIAN TUNNELS; TOLL COLLECTION

9/3,K/16 (Item 16 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00097983 DA

**TITLE: VENICE MOTORWAY CONFERENCE. TOLL COLLECTION SYSTEMS; GIORNATE  
AUTOSTRADALI DI VENEZIA. SISTEMI DI ESAGIONE DEI PEDAGGI**

AUTHOR(S): Ceseri, PL; Cyna, H; Martinez, LF

CORPORATE SOURCE: Societa Autostrade, Via Antonio Nibby 10, 00161 Rome,  
Italy

JOURNAL: Autostrade Vol: 16 Issue Number: 6 Pag: pp 6-20

PUBLICATION DATE: 19740600 PUBLICATION YEAR: 1974

LANGUAGE: Italian SUBFILE: HRIS; IRRD (H 7504; I)

SOURCE ACCESSION NUMBER: IRRD 212011

IRRD DOCUMENT NUMBER: IRRD 212011

FIGURES: 2 Fig. TABLES: 1 Tab.

DATA SOURCE: Transport and Road Research Laboratory

...ABSTRACT: system consists either of barrier stations used in both  
traffic directions, or, of entry or **exit** stations for each direction  
of traffic. These stations would have two types of **lanes**: those  
described as "automatic" which are reserved for fast traffic; and  
manually controlled **lanes** situated at the extremity for general use.

Search Report from Ginger R. DeMille

Closed system toll stations have **entrance lanes** where the manual or automatic distribution of journey tickets is effected, and **exit lanes** where the toll is paid. This article, based on papers presented at the Venice motorway...

DESCRIPTORS: TOLL BOOTHS; TOLL COLLECTION; TOLL ROAD; AUTOMATIC CONTROL; MANUAL CONTROL; **ENTRANCES** (OTHER THAN DOORS); **EXIT** ; CONFERENCES; DESIGN; MOTORWAY; **TOLL** ROAD; ITALY; FRANCE; SPAIN; EQUIPMENT; **PAYMENT** ; DESIGN

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Search Report from Ginger R. DeMille

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File 15:ABI/Inform(R) 1971-2003/Aug 19  
 (c) 2003 ProQuest Info&Learning  
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 File 636:Gale Group Newsletter DB(TM) 1987-2003/Aug 18  
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 File 810:Business Wire 1986-1999/Feb 28  
 (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc

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Set	Items	Description
S1	154466	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	3	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWERVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	4	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURNING)
S4	46	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W) (TWICE OR MORE()THAN()ONCE)
S5	157900	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONLY)
S6	783924	TOLL OR TOLLS
S7	7	S2 OR S3
S8	4	S4 AND S6
S9	11	S7 OR S8
S10	7	RD (unique items)
S11	1153	(S1 OR S5) (S) S6
S12	16984	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	6	S5(S) S12
S14	5	RD (unique items)
S15	12	S10 OR S14

? t15/3,k/all

15/3,K/1 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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Search Report from Ginger R. DeMille

01973401 48031831

**Bulk parcel return service offers option of absorbing return postage costs**  
Anonymous

Direct Marketing v62n7 PP: 31 Nov 1999

ISSN: 0012-3188 JRNL CODE: DIM

WORD COUNT: 410

...TEXT: Bizzoto, vice president of marketing systems. "Similar to our Merchandise Return Service, where customers are **not charged** for **returning** merchandise to the merchant, the same can now be said for a new group of...

**15/3,K/2 (Item 1 from file: .16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

05351890 Supplier Number: 48140435 (USE FORMAT 7 FOR FULLTEXT)

**ISPs: Intermittent Service Providers**

Tinnirello, Paul C.

PC Week, p089

Nov 24, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 605

... act, but it still hasn't got an 800-number. I had to make a **toll** call across the country and wait on hold just to let the company know that ...

...connection were to go dead. How could you be sure that your credit card would **not be charged twice**, and how could you know if you received all the data that came across the...

**15/3,K/3 (Item 2 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

04737488 Supplier Number: 46974151 (USE FORMAT 7 FOR FULLTEXT)

**Still King of the Hills**

AutoWeek, pS136

Dec 16, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 897

... s MSRP of \$21,738. The only vehicles that are as competent as the Wrangler **is once** you **leave** the **highway** cost far more. A Land Rover Defender 90 costs two to three times the Wrangler...

**15/3,K/4 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

15310050 SUPPLIER NUMBER: 95764996 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Into the corridor of shadows. (Eclipse Chasers).**

Sutcliffe, Nick

Search Report from Ginger R. DeMille

National Post, 5, 30, PT1(2)

Nov 30, 2002

ISSN: 1493-4779

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 671

LINE COUNT: 00054

... The roads through the park are in excellent condition. If you so choose, you can **veer** off the **tarmac** and take rougher routes into the bush. Accommodations in the park range from hotel-like **is** working **once** you see your tenth herd of elephants. Yet, for many of the expected 14,000 ...

**15/3,K/5 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

12109662 SUPPLIER NUMBER: 59284134 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Merchants Participating In Hulk Parcel Return Service Extended Option Of**

**Absorbing Return Postage Costs.(Brief Article)**

Fund Raising Management, 30, 8, 8

Oct, 1999

DOCUMENT TYPE: Brief Article

ISSN: 0016-268X

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 437 LINE COUNT: 00037

... Bizzoto, vice president of marketing systems. "Similar to our Merchandise Return Service, where customers are **not charged** for **returning** merchandise to the merchant, the same can now be said for a new group of...

**15/3,K/6 (Item 1 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)

(c) 2003 Resp. DB Svcs. All rts. reserv.

2065778 Supplier Number: 02065778 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Hankook--aiming for top five**

**(In 2005, Hankook Tire's new plant in Kumsan, South Korea, will have capacity of 23 mil tires/year and the company's global tire capacity will reach 100 mil units/year)**

European Rubber Journal, v 180, n 1, p 28+

January 1998

DOCUMENT TYPE: Journal ISSN: 0266-4151 (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1663

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...raising economic productivity locally by a factor of three.

Currently access to the Kumsan plant **is** restricted. **Once** traffic **leaves** the north-south **highway** from Seoul, after Taejon, there is just a snaking local road between the mountains and...

**15/3,K/7 (Item 1 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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Search Report from Ginger R. DeMille

26697570 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The road to hell is - unpaved**

**Trucking in Africa**

SECTION TITLE: Xmas edition

ECONOMIST

December 21, 2002

JOURNAL CODE: FECN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 2947

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... is 315CFA, and at a smaller village 100km further on, it is 350CFA. Once you **leave** the main **road**, prices rise sharply. A Guinness that costs 350CFA in Douala will set you back 450CFA...

**15/3,K/8 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

23228996

**Home News: No double toll in Drogheda - NRA**

IRISH TIMES

June 07, 2002

JOURNAL CODE: FIRT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 39

**Home News: No double toll in Drogheda - NRA**

The National Roads Authority yesterday attempted to defuse local anger over road **tolls** planned for near Drogheda.

It said drivers entering the town from a busy new Dublin-Belfast motorway link between Gormanstown and Monasterboice would **not** be **charged** **twice**.

**15/3,K/9 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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23041777 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Driver saved from death by boot sit-in**

Maurice McLeod

EXPRESS

May 28, 2002

JOURNAL CODE: FDE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 521

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... he explained. "It knocked the stuffing out of me. I lost control of the vehicle **momentarily** and **veered** across the **road** - and that was it."

**15/3,K/10 (Item 4 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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22988168 (USE FORMAT 7 OR 9 FOR FULLTEXT)



Search Report from Ginger R. DeMille

**Lucky escape for grandad**

LANCASTER GUARDIAN

May 24, 2002

JOURNAL CODE: FLAN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 291

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... in a state of shock. It knocked the stuffing out of me. I lost control momentarily and veered across the road and that was it.

"The doctor said it was quite a normal reaction - it was...

15/3,K/11 (Item 5 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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10497766 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Media: Sometimes it's good to talk: When The Times editor took temporary leave , Fleet Street took leave of its senses. Or did it?

INDEPENDENT

April 11, 2000

JOURNAL CODE: FIND LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 670

Media: Sometimes it's good to talk: When The Times editor took temporary leave , Fleet Street took leave of its senses. Or did it?

15/3,K/12 (Item 1 from file: 810)

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0190328 BW606

SAUSALITO ART FESTIVAL: All eyes turn to Sausalito as summertime blow-out event shakes the Bay Area.

August 23, 1990

Byline: Feature/Lifestyle/Art Editors

...M. to 7:00 P.M.

For those driving, take the northern Sausalito, Marin City Exit off highway 101. The Sausalito Rotary Club will once again provide the Festival with over 14 acres of convenient parking. The Rotary will ask...

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Search Report from Ginger R. DeMille

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File 2:INSPEC 1969-2003/Aug W2  
 (c) 2003 Institution of Electrical Engineers  
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 (c) 2003 ProQuest Info&Learning  
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 File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Jul  
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 File 474:New York Times Abs 1969-2003/Aug 18  
 (c) 2003 The New York Times  
 File 475:Wall Street Journal Abs 1973-2003/Aug 18  
 (c) 2003 The New York Times  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
 (c) 2002 The Gale Group

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Set	Items	Description
S1	4472	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	0	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE- RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1- W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN- ING)
S4	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W- ) (TWICE OR MORE()THAN()ONCE)
S5	4095	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONL- Y)
S6	17076	TOLL OR TOLLS
S7	3	S1 AND S5
S8	3	S1(S)S5
S9	0	S3 OR S4
S10	0	S6 AND S8
S11	0	S10 NOT S9
S12	179	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	0	(S1 OR S3 OR S4 OR S5) (3S)S12
S14	0	S13 NOT (S3:S4 OR S9:S11)
S15	0	S13 OR S14
S16	3	RD S7 (unique items)

? t16/7/all

16/7/1 (Item 1 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00124244 DOCUMENT TYPE: Review

PRODUCT NAMES: Copyrights (836125)

TITLE: Steal This Column! Protecting intellectual property  
 AUTHOR: Blacharski, Dan  
 SOURCE: Computer Currents, v18 n5 p35(1) Mar 14, 2000  
 ISSN: 8756-0046

RECORD TYPE: Review

119-Aug-0303:53 PM

Search Report from Ginger R. DeMille

REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

There is a lot of free information on the Web, but most of the information is out-of-date, shallow, or wrong, and some of it may have suspicious origins. The reason is that most online magazines keep their most valuable information off the World Wide Web because they have not been able to successfully implement subscription models. Unless they can get something in return, they have very little incentive to put content online. There are differing views about intellectual property on the Net. Some feel that all information should be free and unencumbered by advertisements, and others think that free content can be used to attract paying customers, who will want to pay for additional content. But the threat of infringement issues **is** raised **once** intellectual property is offered for sale. ICopyright is a copyright and reprint clearinghouse for publishers that does **not charge** an up-front fee to publishers who use its system. Vyou.com uses another approach based on technology that prevents content from being copied.

REVISION DATE: 20010730

16/7/2 (Item 1 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

09017943

AOL macht Internet-Surfen billiger

GERMANY: PRICE WAR AMONG ONLINE PROVIDERS

Handelsblatt (HT) 13 Nov 1998 p.18

Language: GERMAN

In Germany, prices for the use of online services and internet access are decreasing. From the beginning of December 1998, AOL Deutschland of Hamburg, for example, is to lower its variable internet access charges on an unchanged basic fee of DM 9.90 per month. In addition, AOL Deutschland will offer its AOL Card, which for DM 99 per year, **will once** more lower the hourly charge. In the long range, the AOL Card is to be developed into a brand article. Subscribers are to be offered cheaper prices for internet magazines and internet telephony. Thereby, the parent company Bertelsmann is to do additional business with AOL customers. The main competitor, Deutsche Telekom subsidiary T-Online, has already decreased its prices substantially. Also other companies such as Viag Interkom and UUnet, which are pure internet providers without offering their own online services, are fully involved in the price battle. The telephone company Mobilcom AG of Schleswig is to enter business as a pure internet provider with its FreeNet rate. Mobilcom **will not charge** any basic and usage fees, users will only have to pay for the telephone connection to the access point. For AOL, those companies only providing internet access are no real competitors. AOL customers spend 82% of their online time for AOL services including e-mail and chat.

16/7/3 (Item 2 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)  
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05883060

Das Duale System steckt wieder in akuter Finanznot

GERMANY: DUALES SYSTEM ONCE AGAIN LACKING MONEY

Frankfurter Allgemeine Zeitung (FA) 30 Aug 1993 p.11

Search Report from Ginger R. DeMille

Language: GERMAN

Duales System Deutschland (DSD), Germany's nationwide waste collection and disposal company, is once again in financial trouble. DSD has got in payment arrears of DM 360mn as a number of its 15,000 users do not pay their fees. About 90% of all packagings are marked with the green dot, while fees are only paid for 50-60% of packagings. Few weeks ago only the industry, under political pressure, had approved granting a DM 500mn loan to DSD. However, of the DM 460mn received only DM 160mn have so far been released as the funds are linked to certain conditions which now are to be abandoned again. DSD is planning to monitor statements about the number of packagings in circulation as there are many companies allegedly cheating.

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Search Report from Ginger R. DeMille

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File 489:The News-Sentinel 1991-2003/Aug 18  
(c) 2003 Ft. Wayne Newspapers, Inc

File 490:Tallahassee Democrat 1993- 2003/Jul 27  
(c) 2003 Tallahassee Democrat

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

File 494:St LouisPost-Dispatch 1988-2003/Aug 18  
(c) 2003 St Louis Post-Dispatch

File 498:Detroit Free Press 1987-2003/Aug 18  
(c) 2003 Detroit Free Press Inc.

File 631:Boston Globe 1980-2003/Aug 17  
(c) 2003 Boston Globe

File 633:Phil.Inquirer 1983-2003/Aug 11  
(c) 2003 Philadelphia Newspapers Inc

File 634:San Jose Mercury Jun 1985-2003/Aug 17  
(c) 2003 San Jose Mercury News

File 638:Newsday/New York Newsday 1987-2003/Aug 18  
(c) 2003 Newsday Inc.

File 640:San Francisco Chronicle 1988-2003/Aug 17  
(c) 2003 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2003/Aug 18  
(c) 2003 Scripps Howard News

File 642:The Charlotte Observer 1988-2003/Aug 17  
(c) 2003 Charlotte Observer

File 643:Grand Forks Herald 1995-2003/Aug 18  
(c) 2003 Grand Forks Herald

File 701:St Paul Pioneer Pr Apr 1988-2003/Aug 16  
(c) 2003 St Paul Pioneer Press

File 702:Miami Herald 1983-2003/Aug 18  
(c) 2003 The Miami Herald Publishing Co.

File 703:USA Today 1989-2003/Aug 18  
(c) 2003 USA Today

File 704:(Portland)The Oregonian 1989-2003/Aug 18  
(c) 2003 The Oregonian

File 706:(New Orleans)Times Picayune 1989-2003/Aug 19  
(c) 2003 Times Picayune

File 707:The Seattle Times 1989-2003/Aug 17  
(c) 2003 Seattle Times

File 708:Akron Beacon Journal 1989-2003/Aug 15  
(c) 2003 Akron Beacon Journal

File 709:Richmond Times-Disp. 1989-2003/Aug 14  
(c) 2003 Richmond Newspapers Inc

File 712:Palm Beach Post 1989-2003/Aug 18  
(c) 2003 Palm Beach Newspapers Inc.

File 713:Atlanta J/Const. 1989-2003/Aug 17  
(c) 2003 Atlanta Newspapers

File 714:(Baltimore) The Sun 1990-2003/Aug 19  
(c) 2003 Baltimore Sun

File 715:Christian Sci.Mon. 1989-2003/Aug 19  
(c) 2003 Christian Science Monitor

File 716:Daily News Of L.A. 1989-2003/Aug 16  
(c) 2003 Daily News of Los Angeles

File 717:The Washington Times Jun 1989-2003/Aug 19  
(c) 2003 Washington Times

File 718:Pittsburgh Post-Gazette Jun 1990-2003/Aug 19  
(c) 2003 PG Publishing

File 719:(Albany) The Times Union Mar 1986-2003/Aug 18  
(c) 2003 Times Union

Search Report from Ginger R. DeMille

File 720:(Columbia) The State Dec 1987-2003/Aug 18  
(c) 2003 The State  
File 721:Lexington Hrlld.-Ldr. 1990-2003/Aug 17  
(c) 2003 Lexington Herald-Leader  
File 722:Cincinnati/Kentucky Post 1990-2003/Aug 18  
(c) 2003 The Cincinnati Post  
File 723:The Wichita Eagle 1990-2003/Aug 18  
(c) 2003 The Wichita Eagle  
File 724:(Minneapolis)Star Tribune 1989-1996/Feb 04  
(c) 1996 Star Tribune  
File 725:(Cleveland)Plain Dealer Aug 1991-2003/Aug 18  
(c) 2003 The Plain Dealer  
File 731:Philad.Dly.News 1983- 2003/Aug 11  
(c) 2003 Philadelphia Newspapers Inc  
File 732:San Francisco Exam. 1990- 2000/Nov 21  
(c) 2000 San Francisco Examiner  
File 733:The Buffalo News 1990- 2003/Aug 17  
(c) 2003 Buffalo News  
File 734:Dayton Daily News Oct 1990- 2003/Aug 16  
(c) 2003 Dayton Daily News  
File 735:St. Petersburg Times 1989- 2003/Aug 17  
(c) 2003 St. Petersburg Times  
File 736:Seattle Post-Int. 1990-2003/Aug 16  
(c) 2003 Seattle Post-Intelligencer  
File 738:(Allentown) The Morning Call 1990-2003/Aug 17  
(c) 2003 Morning Call  
File 740:(Memphis)Comm.Appeal 1990-2003/Aug 18  
(c) 2003 The Commercial Appeal  
File 741:(Norfolk)Led./Pil. 1990-2003/Aug 15  
(c) 2003 Virg.-Pilot/Led.-Star  
File 742:(Madison)Cap.Tim/Wi.St.J 1990-2003/Aug 18  
(c) 2003 Wisconsin St. Jrnl  
File 743:(New Jersey)The Record 1989-2003/Aug 15  
(c) 2003 No.Jersey Media G Inc  
File 744:(Biloxi) Sun Herald 1995-2003/Aug 15  
(c) 2003 The Sun Herald

? ds

Set	Items	Description
S1	151789	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	11	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE-RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	2	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1-W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN-ING)
S4	34	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W-) (TWICE OR MORE()THAN()ONCE)
S5	90063	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONL-Y)
S6	348701	TOLL OR TOLLS
S7	13	S2 OR S3
S8	1	S4 AND S6
S9	14	S7 OR S8
S10	14	RD (unique items)
S11	610	(S1 OR S5) (S)S6
S12	31101	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	6	S5(S)S12
S14	6	RD (unique items)
S15	20	S10 OR S14

Search Report from Ginger R. DeMille

S16 53 S2 OR S3 OR S4 OR S10 OR S15  
S17 51 RD (unique items)  
? t17/3,k/all

17/3,K/1 (Item 1 from file: 492)

DIALOG(R) File 492:Arizona Repub/Phoenix Gaz  
(c) 2002 Phoenix Newspapers. All rts. reserv.

10092208

**90% OF BANKS CHARGE NON-CUSTOMERS ATM FEES**

Arizona Republic (AR) - Friday, April 2, 1999

By: Marcy Gordon, Associated Press

Edition: Final Chaser Section: Business Page: E8

Word Count: 562

...up from 71 percent a year ago and 45 percent in March 1997.

"Consumers should **not** be **charged** **twice** to use the ATM only once," said Ed Mierzewski, PIRG's consumer program director. "The...

17/3,K/2 (Item 1 from file: 494)

DIALOG(R) File 494:St LouisPost-Dispatch  
(c) 2003 St Louis Post-Dispatch. All rts. reserv.

04521066

**DEFENDANT CONVICTED IN SCHEME THAT TOOK WOMAN'S LIFE SAVINGS**

ST. LOUIS POST DISPATCH (SL) - FRIDAY April 1, 1988

By: Mary E. Chollet

Of the Post-Dispatch Staff

Edition: FIVE STAR Section: NEWS Page: 10A

Word Count: 349

... check bounced, and Lear lost \$2,100 - her life's savings. Thornhill's friend was **not** **charged**.

**Twice**, Thornhill drove Lear to the bank and persuaded her to clean out accounts. Thornhill then...

17/3,K/3 (Item 1 from file: 631)

DIALOG(R) File 631:Boston Globe  
(c) 2003 Boston Globe. All rts. reserv.

12005090

**ALL QUIET ON THE REVELERS FRONT FOR NEW YEAR'S**

Boston Globe (BG) - Sunday, January 5, 2003

By: BY JUDITH FORMAN

Edition: THIRD Section: Metro/Region Page: B2

Word Count: 1,817

...from 11 p.m. until 5 a.m tomorrow through Wednesday.

\* The I-93 northbound **temporary** ramp **Exit** 19 (Berkeley Street /Broadway) will be permanently closed at 11 p.m. Friday. Drivers should take Exit 18...

17/3,K/4 (Item 2 from file: 631)

DIALOG(R) File 631:Boston Globe

Search Report from Ginger R. DeMille

(c) 2003 Boston Globe. All rts. reserv.

07028100

**NAMES & FACES UNDERESSED FOR SUCCESS**

Boston Globe (BG) - THURSDAY, January 28, 1993

By: Michael Blowen, Globe Staff

Edition: THIRD Section: LIVING Page: 26

Word Count: 995

...be at the Children's Museum tomorrow afternoon from 2 to 3. He's on temporary leave from the Sesame Street on Ice show at the Worcester Centrum.

PSSSST

According to a Redbook gossip survey, readers...

17/3,K/5 (Item 3 from file: 631)

DIALOG(R)File 631:Boston Globe

(c) 2003 Boston Globe. All rts. reserv.

05574095

**A NEW KIND OF HIGH LAWRENCE MAN FORGES DRUG-FREE LIFE IN EVERGLADES**

BOSTON GLOBE (BG) - WEDNESDAY March 14, 1990

By: Jerry Thomas, Globe Staff

Edition: THIRD Section: NATIONAL/FOREIGN Page: 17

Word Count: 1,173

... first criminal offense. The Army, he said, took no action against him because he could not be charged twice for the same crime. Still, he admits that while he was out on bond he...

...sold dope."

For several years, he hung tough. Then, the cocaine began to take its toll .

"I would be walking down the street, and I would go into a blackout," he ...

17/3,K/6 (Item 1 from file: 638)

DIALOG(R)File 638:Newsday/New York Newsday

(c) 2003 Newsday Inc. All rts.reserv.

10092010

**ATM Fees Are Now A Way Of Life / Citibank, Chase added to long list**

Newsday (ND) - Friday April 2, 1999

By: THE ASSOCIATED PRESS

Edition: QUEENS Section: NEWS Page: A20

Word Count: 493

...another bank's machine in March, up from 71 percent a year ago.

"Consumers should not be charged twice to use the ATM only once," said Ed Mierzwinski, PIRG's consumer program director. "The...



17/3,K/7 (Item 2 from file: 638)

DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2003 Newsday Inc. All rts. reserv.

06108037

**INJURED COP REBUILDS LIFE TUTHILL, BLINDED IN '86 SHOOTING, OPENS A  
BOOKSTORE IN SOUTHD.**

Newsday (ND) - Monday April 15, 1991

By: Mitchell Freedman. STAFF WRITER

Edition: NASSAU AND SUFFOLK Section: NEWS Page: 07QUOTE:

Word Count: 1,674

... and re-checked the numbers with a clerk to make sure that a customer would **not** be **charged twice** because his credit card had to be run through the computer twice.

And the man...

17/3,K/8 (Item 3 from file: 638)

DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2003 Newsday Inc. All rts. reserv.

04063235

**A LIST OF TRAFFIC TROUBLE CENTERS**

Newsday (ND) - Sunday March 1, 1987

Edition: CITY Section: NEWS Page: 35

Word Count: 679

...closed Tuesday from 12:01 a.m. to 6 a.m. Use posted detour via **temporary exit**, entrance and service road.

Bridges and Tunnels Holland Tunnel: Closed Manhattan-bound from 9:30 p.m. to 5...

17/3,K/9 (Item 1 from file: 640)

DIALOG(R)File 640:San Francisco Chronicle  
(c) 2003 Chronicle Publ. Co. All rts. reserv.

10050074

**A GLOAT-FREE ZONE FOR BANKERS**

San Francisco Chronicle (SF) - FRIDAY, February 19, 1999

Edition: FINAL Section: EDITORIAL Page: A22

Word Count: 196

...their pastrami sandwiches."

Such an opinion does not make the banks right. ATM users should **not** be **charged twice** for using a machine that the banks themselves touted as a money-saver because fewer...

17/3,K/10 (Item 1 from file: 642)

DIALOG(R)File 642:The Charlotte Observer  
(c) 2003 Charlotte Observer. All rts. reserv.

08053010

**PARK ENTRANCE FEES WILL BE HERE BY MARCH 4**

Charlotte Observer (CO) - Wednesday, February 22, 1995

Search Report from Ginger R. DeMille

By: DIANNE WHITACRE, Staff Writer  
Edition: FOUR  
Section: MECKLENBURG NEIGHBORS  
Page: 4M

Word Count: 750

... Pat Marcum, director of the raptor center, said she was confident Latta Plantation visitors would **not** be **charged twice**. They've listened to our concerns to make sure we aren't damaged by it...

17/3,K/11 (Item 1 from file: 701)  
DIALOG(R)File 701:St Paul Pioneer Pr Apr  
(c) 2003 St Paul Pioneer Press. All rts. reserv.

07710242

**FREEWAY CONSTRUCTION TO BEGIN**

St. Paul Pioneer Press Dispatch (ST) - THURSDAY February 1, 1990  
Edition: AM Metro Final Section: Metro Page: 2B  
Word Count: 210

... 35E, Jackson Street to Ninth Street to Broadway, Wacouta from south I-35E and a **temporary exit** to 12th Street to Jackson Street.

17/3,K/12 (Item 1 from file: 702)  
DIALOG(R)File 702:Miami Herald  
(c) 2003 The Miami Herald Publishing Co. All rts. reserv.

09665283

**ACTION LINE**

Miami Herald (MH) - Sunday, June 14, 1998  
By: Herald Staff  
Edition: Final Section: Front Page: 31A  
Word Count: 450

...wrong about a check sent to you on May 22.)

Seth verified that you were **not** only **charged twice** for the FRED, which cost \$139.90, but the one you ordered was never sent...

17/3,K/13 (Item 2 from file: 702)  
DIALOG(R)File 702:Miami Herald  
(c) 2003 The Miami Herald Publishing Co. All rts. reserv.

05045045

**TAKING S.R. 84? GO THE EXTRA MILE**

MIAMI HERALD (MH) - THU JUN 08 1989  
By: Herald Staff  
Edition: BRWRD Section: BRWD N Page: 2BR  
Word Count: 154

**TEXT:**

...have to drive about a mile farther than they're used to, starting today. A **temporary exit** ramp onto State Road 84 just west of 136th Avenue in western Broward closes for good at 9 a...

**17/3,K/14 (Item 3 from file: 702)**  
DIALOG(R)File 702:Miami Herald  
(c) 2003 The Miami Herald Publishing Co. All rts. reserv.

04059557

**TRAVELING TO JOE ROBBIE STADIUM**  
Miami Herald (MH) - THU AUG 13 1987  
By: Herald Staff  
Edition: FINAL Section: SPORTS Page: 8F  
Word Count: 549

...on County Line Road (NW 215th Street).

FROM BOCA RATON

\* Take the Turnpike to a **temporary exit** at NW 203rd **Street**. The exit road leads into stadium parking. But remember that it may not be the ...

**17/3,K/15 (Item 1 from file: 703)**  
DIALOG(R)File 703:USA Today  
(c) 2003 USA Today. All rts. reserv.

08627488

**Big banks charge bigger ATM fees**  
USA TODAY (US) - THURSDAY April 02, 1998  
By: Christine Dugas  
Edition: FINAL Section: MONEY Page: 02B  
Word Count: 277

...Al D'Amato, R-N.Y., has introduced federal legislation to ban them.

"Consumers should **not be charged twice** to use the ATM only once," says Ed Mierzwinski, consumer program director at U.S...

**17/3,K/16 (Item 1 from file: 704)**  
DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2003 The Oregonian. All rts. reserv.

10092142

**NEGOTIATIONS UNDER WAY TO SELL PARENT COMPANY OF OREGON CUTTING SYSTEMS**  
Oregonian (PO) - Friday, April 2, 1999  
By: From staff and wire reports  
Edition: SUNRISE Section: BUSINESS Page: B01  
Word Count: 668

... Fools' joke," consumer advocate John Valley said Thursday at a Portland news conference. "Consumers should **not be charged twice** to use the ATM only once." Valley spoke for the Oregon State Public Interest Research ...

**17/3,K/17 (Item 2 from file: 704)**  
DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2003 The Oregonian. All rts. reserv.

09779023

**PAYING TWICE FOR ONE USE SENATORS FAIL TO PROTECT CONSUMERS FROM BIG BANKS'**

**UNFAIR ATM CHARGES**

Oregonian (PO) - Tuesday, October 6, 1998  
Edition: SUNRISE Section: EDITORIAL Page: B11  
Word Count: 256

... market, the big banks, facing less competition, will raise their fees even more.

Consumers should **not** be **charged twice** to use the ATM only once. Congress had an opportunity to protect consumers from the...

**17/3,K/18 (Item 3 from file: 704)**

DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2003 The Oregonian. All rts. reserv.

09160027

**MONEY ON HOLIDAY**

Oregonian (PO) - Monday, June 9, 1997  
By: JULIE TRIPP of the Oregonian Staff  
Edition: SUNRISE Section: BUSINESS Page: B12  
Word Count: 1,656

... plane fare, hotel deposits, tour costs, Eurailpasses. Take proof of payment with you so you **won ' t be charged twice** by mistake for your float trip down the Colorado River or your night in the...

**17/3,K/19 (Item 4 from file: 704)**

DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2003 The Oregonian. All rts. reserv.

07334092

**CEDAR MILL FIRE STATION TO REGAIN AREA ACCESS**

Oregonian (PO) - TUESDAY, November 30, 1993  
By: HARRY BODINE - of the Oregonian Staff  
Edition: FOURTH Section: WEST ZONER PORTLAND ZONER Page: B02  
Word Count: 598

**TEXT:**

Summary: A **temporary exit** on Sunset Highway 's Southwest Cedar Hills Boulevard interchange will benefit Tualatin Valley Fire and Rescue

Tualatin Valley...

**17/3,K/20 (Item 5 from file: 704)**

DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2003 The Oregonian. All rts. reserv.

06510211

**IMPROVEMENT WORK GETS UNDER WAY ON MCLOUGHLIN**

Oregonian (PO) - FRIDAY January 10, 1992  
By: STAN FEDERMAN - of the Oregonian Staff  
Edition: FOURTH Section: SOUTH ZONER Page: C02  
Word Count: 637

...Road.

Another change to the street will occur in April when present work on a

Search Report from Ginger R. DeMille

**temporary** northbound **exit** ramp from **Highway** 224 is completed. The ramp will connect to the relocated Main Street, providing Highway 224...

17/3,K/21 (Item 1 from file: 706)  
DIALOG(R)File 706:(New Orleans)Times Picayune  
(c) 2003 Times Picayune. All rts. reserv.

10092243

**90% OF BANKS CHARGE AT ATMS MOST IMPOSE SECOND FEE ON CONSUMERS NOW**

New Orleans Times Picayune (NO) - Friday, April 2, 1999  
By: The Associated Press  
Edition: ORLEANS Section: MONEY Page: C2  
Word Count: 185

...up from 71 percent a year ago and 45 percent in March 1997.

"Consumers should **not** be **charged twice** to use the ATM only once," said Ed Mierzwinski, PIRG's consumer program director. "The...

17/3,K/22 (Item 2 from file: 706)  
DIALOG(R)File 706:(New Orleans)Times Picayune  
(c) 2003 Times Picayune. All rts. reserv.

06337028

**DOUBLING HER PLEASURE WITH A HEARTFELT ASSIGNMENT**

New Orleans Times Picayune (NO) - TUESDAY December 3, 1991  
By: Betty Guillaud  
Edition: THIRD Section: LIVING Page: C3  
Word Count: 583

... conference for tomorrow morning, Al Hirt - the musician who several years ago said he was **leaving Bourbon Street** never to return - **will once** again announce that he does plan to return. For sure, he says; his first show...

17/3,K/23 (Item 1 from file: 707)  
DIALOG(R)File 707:The Seattle Times  
(c) 2003 Seattle Times. All rts. reserv.

11857052

**Here & Now Information to help you survive and thrive**

Seattle Times (SE) - Monday December 23, 2002  
By: Charles E. Brown and Suesan Whitney; Seattle Times staff  
Edition: Fourth Section: ROP Local News Page: B2  
Word Count: 442

... Gilman Trail, between Sand Point Way Northeast and the Hawthorne Hills neighborhood in Northeast Seattle, **is open once** again, after a nine-month bridge-construction project and detours. The trail link, which is...

... 45 a.m. All trains will make their regular stops at Sounder stations. Southbound trains **leave** Seattle's King **Street** Station at 1:55 p.m., 4:55 p.m. and 5:35 p.m...

17/3,K/24 (Item 2 from file: 707)

Search Report from Ginger R. DeMille

DIALOG(R)File 707:The Seattle Times  
(c) 2003 Seattle Times. All rts. reserv.

10783039

**Here & Now**

Seattle Times (SE) - Monday October 9, 2000  
Edition: Final Section: LOCAL NEWS Page: B2  
Word Count: 648

...Street will be closed from 10 tonight to 5 a.m. tomorrow.

Interstate 90: A **temporary** westbound **exit** to Front Street in Issaquah is now open. Construction is continuing on the permanent exit.

Highway 167: The...

**17/3,K/25 (Item 3 from file: 707)**  
DIALOG(R)File 707:The Seattle Times  
(c) 2003 Seattle Times. All rts. reserv.

10091124

**SURVEY: 90 PERCENT OF BANKS IMPOSE ATM SURCHARGES**  
Seattle Times (SE) - Thursday April 1, 1999  
By: THE AP  
Edition: FINAL Section: NEWS Page: A4  
Word Count: 345

...9,000 institutions nationwide.

Ed Mierzwinski, the group's consumer-program director, said, "Consumers should **not** be **charged twice** to use the ATM only once."

Bankers say the surcharges are outweighed by ATMs' 24...

**17/3,K/26 (Item 1 from file: 708)**  
DIALOG(R)File 708:Akron Beacon Journal  
(c) 2003 Akron Beacon Journal. All rts. reserv.

10092202

**MAJOR BANK CHAINS ADD ATM SURCHARGES FEE HITS THOSE WHO AREN'T REGULAR CUSTOMERS**  
Beacon Journal (Akron) (AK) - Friday April 2, 1999  
By: Marcy Gordon, Associated Press  
Edition: 1 STAR Section: BUSINESS Page: B1  
Word Count: 329

...another bank's machine in March, up from 71 percent a year ago.

"Consumers should **not** be **charged twice** to use the ATM only once," said Ed Mierzwinski, PIRG's consumer program director. "The..."

**17/3,K/27 (Item 2 from file: 708)**  
DIALOG(R)File 708:Akron Beacon Journal  
(c) 2003 Akron Beacon Journal. All rts. reserv.

06243033

**THREE OFFICERS WON ' T BE CHARGED FOR RETURNING BOY TO DAHMER WIS.**

**ATTORNEY GENERAL SAYS MILWAUKEE PATROLMEN USED POOR JUDGMENT BUT DIDN'T VIOLATE CRIMINAL LAW**

Akron Beacon Journal (AK) - FRIDAY August 30, 1991  
By: ARTHUR L. SRB, Associated Press  
Edition: 1 STAR Section: NATION Page: A7  
Word Count: 318

**THREE OFFICERS WON ' T BE CHARGED FOR RETURNING BOY TO DAHMER WIS.  
ATTORNEY GENERAL SAYS MILWAUKEE PATROLMEN USED POOR JUDGMENT BUT DIDN'T**  
...

17/3,K/28 (Item 1 from file: 709)

DIALOG(R)File 709:Richmond Times-Disp.  
(c) 2003 Richmond Newspapers Inc. All rts. reserv.

10570062

**CHESTERFIELD'S INSURER SHAMED INTO DOING RIGHT**

Richmond Times-Dispatch (RI) - Friday March 10, 2000  
By: Ray McAllister Ray's column appears Tuesday, Thursday and Friday.  
Write him at the Times-Dispatch, Box 85333, Richmond VA 23293; call  
(804) 649-6333; fax (804) 775-8059; or e-mail  
rmcallister@timesdispatch.com.

Edition: City  
Section: Area/State  
Page: B-1

Word Count: 545

... mph Old Buckingham Road on Dec. 18. While turning off his emergency lights, the driver **momentarily veered** off the **road**. He overcorrected, heading into oncoming traffic, crashing into one car and forcing another off the...

17/3,K/29 (Item 2 from file: 709)

DIALOG(R)File 709:Richmond Times-Disp.  
(c) 2003 Richmond Newspapers Inc. All rts. reserv.

09117070

**THE PRICE OF CONVENIENCE ADDITIONAL FEE ON ATM TRANSACTIONS STIRS A CONTROVERSY**

Richmond Times-Dispatch (RI) - Sunday April 27, 1997  
By: Paula Crawford Squires Times-Dispatch Staff Writer  
Edition: City  
Section: Business  
Page: E-1

Word Count: 1,283

...at locations checked in Virginia was the \$1.50 fee at First Union.

"Consumers should **not** be **charged** **twice** to use the ATM only once," said Ed Mierzwinski, consumer program director for the public...

17/3,K/30 (Item 1 from file: 713)

DIALOG(R)File 713:Atlanta J/Const.  
(c) 2003 Atlanta Newspapers. All rts. reserv.

10091469

**REPORT SAYS BANK ATM SURCHARGES INCREASING**

Atlanta Journal (AJ) - Thursday, April 1, 1999

By: Associated Press

Edition: Final Section: News Page: A3

Word Count: 248

...percent in March 1997.

Ed Mierzwinski, the group's consumer program director, said, "Consumers should **not** be **charged twice** to use the ATM only once."

"The double-dipping ATM surcharge is an outrageous example..."

17/3,K/31 (Item 2 from file: 713)

DIALOG(R)File 713:Atlanta J/Const.

(c) 2003 Atlanta Newspapers. All rts. reserv.

09092092

**SURCHARGE FOR ATMS PREVALENT IN GEORGIA STATE AMONG THOSE WITH HIGHEST PERCENTAGE OF MACHINES WITH SUCH CHARGES, SURVEY SAYS.**

Atlanta Constitution & JOURNAL (AC & JOURNAL) - Wednesday, April 2, 1997

By: Gene Tharpe STAFF WRITER

Section: BUSINESS Page: F/(CONSTITUTION): 01

Word Count: 414

...charge ---usually about \$1 ---for using an ATM not owned by the bank.

"Consumers should **not** be **charged twice** to use an ATM only once," said Robert Pregulman, an official of the Washington-based...

17/3,K/32 (Item 1 from file: 716)

DIALOG(R)File 716:Daily News Of L.A.

(c) 2003 Daily News of Los Angeles. All rts. reserv.

10092004

**GIANTS BEGIN FEE FOR ATMS; MORE ACCOUNTS GET HIT WITH SURCHARGES**

Daily News of Los Angeles (LA) - Friday, April 2, 1999

By: Marcy Gordon Associated Press

Edition: Valley Section: Business Page: B1

Word Count: 357

...up from 71 percent a year ago and 45 percent in March 1997.

"Consumers should **not** be **charged twice** to use the ATM only once," said Ed Mierzwinski, PIRG's consumer program director. "The..."

17/3,K/33 (Item 1 from file: 717)

DIALOG(R)File 717:The Washington Times

(c) 2003 Washington Times. All rts. reserv.

08694172

**New bank fee at ATMs attacked in Senate**

Washington Times (WT) - Friday, July 12, 1996

By: Anne Marriott - THE WASHINGTON TIMES

Edition: Final Section: BUSINESS Page: B7

Word Count: 677



...the surcharge.

"Consumers, whether they bank at a community bank or a large bank, should **not** be **charged twice** for a service," said Sen. Barbara Boxer, California Democrat and member of the banking committee...

**17/3,K/34 (Item 2 from file: 717)**

DIALOG(R)File 717:The Washington Times  
(c) 2003 Washington Times. All rts. reserv.

06756010

**'THE DIRTY STINKING REBEL' AND OTHER MYTHOLOGY**

Washington Times (WT) - Saturday, September 12, 1992  
By: John M. Priest SPECIAL TO THE WASHINGTON TIMES  
Edition: Final Section: LIFE THE CIVIL WAR Page: C3  
Word Count: 1,528

... The Navy Yard is at Ninth and M streets SE, off the Southeast-Southwest Freeway **exit** at Sixth **Street**. Or take Metro's Green Line to the Navy Yard stop. Further information, 202/433... Antietam is remembered with re-enactments, tours and book sales in the Sharpsburg area. This **is** a **one - time** event, and the money goes for land purchases. Further information, 800/228-STAY Pennsylvania, Oct...

**17/3,K/35 (Item 3 from file: 717)**

DIALOG(R)File 717:The Washington Times  
(c) 2003 Washington Times. All rts. reserv.

06263120

**RAPE-MURDER CONVICTION JUNKED BY JUDGE**

Washington Times (WT) - Friday, September 20, 1991  
By: Arlo Wagner THE WASHINGTON TIMES  
Edition: Final Section: METROPOLITAN Page: B3  
Word Count: 398

... not be tried again because of the double-jeopardy prohibition, which says a defendant may **not** be **charged twice** with the same crime.

Assistant State's Attorney Teresa Whalen, who prosecuted Mr. Martinez, acknowledged...

**17/3,K/36 (Item 1 from file: 718)**

DIALOG(R)File 718:Pittsburgh Post-Gazette  
(c) 2003 PG Publishing. All rts. reserv.

10186031

**GREENE INACCESSIBILITY DRAWS DISABLED'S PROTEST**

Pittsburgh Post-Gazette (PT) - Monday, July 5, 1999  
By: ANTOINETTE FITCH  
Edition: SOONER Section: STATE Page: A-10  
Word Count: 940

...the borough.

It is a difficult trek. The berm is rough and frequently she must **swerve** onto the **road** to miss ruts in the soft road shoulder. At peak

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traffic times the busy roadway **is** hazardous. **Once** in the borough, there are sidewalks with curbs cut for accessibility and the conditions are...

17/3,K/37 (Item 2 from file: 718)  
DIALOG(R)File 718:Pittsburgh Post-Gazette  
(c) 2003 PG Publishing. All rts. reserv.

10092010

**ATM SURCHARGES SPREAD TO 90% OF NATION'S BANKS**

Pittsburgh Post-Gazette (PT) - Friday, April 2, 1999  
By: MARCY GORDON, AP BUSINESS WRITER  
Edition: SOONER Section: BUSINESS Page: C-1  
Word Count: 587

...up from 71 percent a year ago and 45 percent in March 1997.

"Consumers should **not** be **charged twice** to use the ATM only once," said Ed Mierzwinski, PIRG's consumer program director. "The...

17/3,K/38 (Item 1 from file: 719)  
DIALOG(R)File 719:(Albany) The Times Union  
(c) 2003 Times Union. All rts. reserv.

08678110

**PUSHING THE BUTTON**  
TIMES UNION

(AL) - Wednesday, June 26, 1996  
By: MARK SINGELAIS Staff writer  
Edition: THREE STAR

Section: SPORTS

Page: D1

Word Count: 888

...a.m., and 3-5 p.m.). But fans who haven't bought a button **won 't** be **charged twice** for parking. Parking attendants will sell a two-part ticket so the fans can keep...

17/3,K/39 (Item 1 from file: 720)  
DIALOG(R)File 720:(Columbia) The State  
(c) 2003 The State. All rts. reserv.

08028022

**TAXES 'RICH' ARE EASY TARGET IN ASSESSING BLAME**

STATE (COLUMBIA) (CS) - SATURDAY January 28, 1995  
Edition: FINAL Section: EDITORIAL Page: A12  
Word Count: 258

...R'' so that at the checkout line they pay \$10 for a dozen eggs? Why **not charge** them **twice** the normal price for gas, too? Heck, let's really stick it to anyone who...

**17/3,K/40** (Item 1 from file: 722)  
DIALOG(R)File 722:Cincinnati/Kentucky Post  
(c) 2003 The Cincinnati Post. All rts. reserv.

09615094

**BRIDGE WORK MOVED:**

CINCINNATI POST (CP) - Saturday, April 25, 1998  
Edition: FINAL Section: NEWS Page: 11A  
Word Count: 166

**TEXT:**

... the eastern one-third of the bridge. After this change, southbound motorists on I-71 **will once** again be able to **exit** at Fifth **Street** in Covington. As of Friday and until noon on Sunday, both eastbound and westbound I...

**17/3,K/41** (Item 1 from file: 731)  
DIALOG(R)File 731:Philad.Dly.News  
(c) 2003 Philadelphia Newspapers Inc. All rts. reserv.

09739003

**FEE ENTERPRISE AT YOUR BANK NETTING BIG BOUNTY ON ALL OF THOSE ATM AND  
TELLER CHARGES**

Philadelphia Daily News (DN) - Thursday, August 27, 1998  
By: Joseph R. Daughen, Daily News Staff Writer

Edition: Late Sports Section: LOCAL Page: 04  
Word Count: 992

...banks now tack on a surcharge when non-account holders use their ATMs.

"Consumers should **not be charged twice** to use the ATM only once," Mierzewski said. "Surcharging is one more example of fee..."

**17/3,K/42** (Item 1 from file: 734)  
DIALOG(R)File 734:Dayton Daily News  
(c) 2003 Dayton Daily News. All rts. reserv.

08564042

**LETTERS:PROFICIENCY TESTS WASTING TAX DOLLARS**

Dayton Daily News (DA) - MONDAY, March 4, 1996  
Edition: CITY Section: NEWS Page: 6A  
Word Count: 351

...insist on ACT results for college admittance? The answer is that the ACT developers could **not charge twice**.

All this money spent on all these tests would be better spent on updating textbooks...

**17/3,K/43** (Item 2 from file: 734)  
DIALOG(R)File 734:Dayton Daily News  
(c) 2003 Dayton Daily News. All rts. reserv.

06122100

**2 STATES MAY BAN NAMING RAPE VICTIMS ALASKA, MISSOURI MULL BILLS TRIGGERED  
BY KENNEDY CASE**

Search Report from Ginger R. DeMille

Dayton Daily News (DA) - THURSDAY May 2, 1991  
By: ASSOCIATED PRESS  
Edition: CITY Section: NEWS Page: 5A  
Word Count: 318

... keep a sealed record with the victim's name to ensure that a defendant is **not charged twice** for the same crime. The ban would apply to all sex crimes, from indecent exposure...

17/3,K/44 (Item 1 from file: 735)  
DIALOG(R)File 735:St. Petersburg Times  
(c) 2003 St. Petersburg Times. All rts. reserv.

09593072

**BIG BANKS CHARGE BIGGEST ATM FEES**

St. Petersburg Times (PE) - THURSDAY April 2, 1998  
By: JEFF HARRINGTON  
Edition: 0 SOUTH PINELLAS Section: BUSINESS Page: 1E  
Word Count: 563

...bank whose ATM they visit and another \$1.50 by their own bank.

"Consumers should **not be charged twice** to use an ATM once," said Scot Quarandà, PIRG's central Florida field coordinator. "Surcharging..."

17/3,K/45 (Item 2 from file: 735)  
DIALOG(R)File 735:St. Petersburg Times  
(c) 2003 St. Petersburg Times. All rts. reserv.

08525129

**GIRL IN ACCIDENT HAD SMILE FOR ALL, HER FRIENDS RECALL**

St. Petersburg Times (PE) - THURSDAY January 25, 1996  
By: NANCY WEIL  
Edition: CITY Section: PASCO TIMES Page: 1  
Word Count: 991

...they took off on State Road 54. They hadn't gone far when Jones, 16, **momentarily swerved** off the road with the big 1989 Chevrolet van.

"And Jason said, "Either let Richard drive or take..."

17/3,K/46 (Item 3 from file: 735)  
DIALOG(R)File 735:St. Petersburg Times  
(c) 2003 St. Petersburg Times. All rts. reserv.

07282116

**LIMITED TIME FOR REBUTTAL ANNOYS SOME RESIDENTS**

St. Petersburg Times (PE) - FRIDAY October 8, 1993  
Edition: CITY Section: HERNANDO TIMES Page: 2  
Word Count: 1,009

... not have been taken in by the two convincing lawyers who claimed their clients could **not be charged twice** for the same incident.

Common sense tells you that getting a summons is a civil...

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17/3,K/47 (Item 4 from file: 735)  
DIALOG(R)File 735:St. Petersburg Times  
(c) 2003 St. Petersburg Times. All rts. reserv.

06243117

**OFFICERS WILL NOT BE CHARGED FOR RETURNING NAKED BOY TO KILLER**  
St. Petersburg Times (PE) - FRIDAY August 30, 1991  
By: ASSOCIATED PRESS  
Edition: CITY Section: NATIONAL Page: 12A  
Word Count: 412

**OFFICERS WILL NOT BE CHARGED FOR RETURNING NAKED BOY TO KILLER**

17/3,K/48 (Item 5 from file: 735)  
DIALOG(R)File 735:St. Petersburg Times  
(c) 2003 St. Petersburg Times. All rts. reserv.

05554726

**HOMEOWNERS FAIL TO DUMP DISPOSAL FEES**  
St. Petersburg Times (PE) - THURSDAY September 6, 1990  
By: RICHARD DANIELSON  
Edition: CITY Section: PASCO TIMES Page: 1  
Word Count: 532

... county officials have required haulers to eliminate disposal costs from their bills so customers are **not charged twice** .

Even so, many property owners don't like the new system. At two public hearings...

17/3,K/49 (Item 1 from file: 740)  
DIALOG(R)File 740:(Memphis)Comm.Appeal  
(c) 2003 The Commercial Appeal. All rts. reserv.

08618076

**YOUR VOICE**  
Commercial Appeal (Memphis) (CA) - SATURDAY, April 27, 1996  
Edition: Final Section: Appeal Page: C5  
Word Count: 230

...another detour.

The painful part is

there's not always another detour,

and if there is ,

once you leave the road of true love,

you may never return.

- By Carolyn Risher, 14, an eighth-grade student...

17/3,K/50 (Item 1 from file: 743)  
DIALOG(R)File 743:(New Jersey)The Record  
(c) 2003 No.Jersey Media G Inc. All rts. reserv.

Search Report from Ginger R. DeMille

05309111

**DEJA VU IN MEADOWLANDS ARRESTS THREE GUARDS CHARGED BEFORE**

Record (Northern New Jersey) (RE) - MONDAY October 30, 1989

By: Caroline Herzfeld, Record Staff Writer

Edition: All Editions Section: NEWS Page: a01

Word Count: 782

...disturbances, making threats, harassment, and giving false reports.

Most guards charged during that time have **not** been **charged** **more**  
**than once**, court records show.

In most of the cases, charges against both parties were dismissed,  
court...

**17/3,K/51 (Item 1 from file: 744)**

DIALOG(R) File 744: (Biloxi) Sun Herald

(c) 2003 The Sun Herald. All rts. reserv.

10092042 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**NINE OUT OF 10 BANKS TACK ON ATM SURCHARGE**

**SECOND FEE GROWS MORE PREVALENT**

MARCY GORDON / THE ASSOCIATED PRESS

Sun Herald, P. F1

Friday, April 2, 1999

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT SECTION HEADING: BUSINESS

Word Count: 400

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...percent in March 1997.

Ed Mierzwinski, the group's consumer program director, said, "Consumers  
should **not** be **charged** **twice** to use the ATM only once."

"The double-dipping ATM surcharge is an outrageous example...  
?

Search Report from Ginger R. DeMille

? show files

File 6:NTIS 1964-2003/Aug W3

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File 63:Transport Res(TRIS) 1970-2003/Jul

(c) fmt only 2003 Dialog Corp.

? ds

Set	Items	Description
S1	238	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	0	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE- RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1- W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN- ING)
S4	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W- ) (TWICE OR MORE()THAN()ONCE)
S5	492	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONL- Y)
S6	6441	TOLL OR TOLLS
S7	0	S2 OR S3
S8	0	S4 AND S6
S9	0	S7 OR S8
S10	0	RD (unique items)
S11	14	(S1 OR S5) (S) S6
S12	165	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	0	S5(S) S12
S14	0	RD (unique items)
S15	0	S10 OR S14
S16	0	S2 OR S3 OR S4 OR S10 OR S15
S17	0	RD (unique items)
S18	14	S11 OR S17
S19	12	RD (unique items)

? t19/3,k/all

19/3,K/1 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2002467 NTIS Accession Number: PB97-151344

**Network Optimized Congestion Pricing: A Parable, Model and Algorithm**  
(Final rept)

Dial, R. B.

John A. Volpe National Transportation Systems Center, Cambridge, MA.

Corp. Source Codes: 098811000

Sponsor: Department of Transportation, Washington, DC. Travel Model  
Improvement Program.

Report No.: DOT-T-95-20

May 95 40p

Languages: English

Journal Announcement: GRAI9713

Sponsored by Department of Transportation, Washington, DC. Travel Model  
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This report recites a parable, formulates a model and devises an

algorithm for optimizing **tolls** on a road network. Such **tolls** induce an equilibrium traffic flow that **is** at **once** system-optimal and user-optimal. The parable introduces the network-wide congestion-pricing problem; the...

... for each origin-destination pair; and the algorithms provides the ability to determine the best **toll** for each link in the network.

19/3,K/2 (Item 1 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2003 Dialog Corp. All rts. reserv.

00943893 DA

**TITLE: TOLL TRUCKWAYS: A NEW PATH TOWARD SAFER AND MORE EFFICIENT FREIGHT TRANSPORTATION**

AUTHOR(S): Samuel, P; Poole, RW, Jr; Holguin-Veras, J  
CORPORATE SOURCE: Reason Foundation, 3415 S Sepulveda Boulevard, Suite 400,  
Los Angeles, CA, 90034,  
REPORT NUMBER: Policy Study 294  
Pag: 44p  
PUBLICATION DATE: 20020600 PUBLICATION YEAR: 2002  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: N/A  
AVAILABILITY: Reason Foundation; 3415 S Sepulveda Boulevard, Suite 400  
; Los Angeles; CA ; 90034  
ORDER NUMBER: N/A

...ABSTRACT: alternative method of approaching long-distance inter-city trucking. The method presented is self-financing **toll** truckways. These **toll** truckways would be separated from the rest of traffic by concrete barriers, and would involve...

...also decrease traffic conflicts between trucks and automobiles. It is recommended that the trucks pay **tolls** for these roads, and **not** be **charged** federal fuel taxes, state taxes or other truck user taxes. The **tolls** would be collected electronically.

19/3,K/3 (Item 2 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00943619 DA

**TITLE: FREE-FLOW MULTI-LANE ETC SYSTEM USING REAL-TIME INDIVIDUAL VEHICLE TRACKING**

AUTHOR(S): Lim, D-W; Jun, J-S; Chung, S-T  
CORPORATE SOURCE: ITS America, 400 Virginia Avenue, SW, Suite 800,  
Washington, DC , 20024-2730,  
Pag: 6p  
SUPPLEMENTAL NOTES: Full Conference Proceedings available on CD-ROM.  
PUBLICATION DATE: 20020000 PUBLICATION YEAR: 2002  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: N/A  
AVAILABILITY: ITS America; 400 Virginia Avenue, SW, Suite 800 ;  
Washington; DC ; 20024-2730  
ORDER NUMBER: N/A  
CONFERENCE TITLE: 9th World Congress on Intelligent Transport Systems

ABSTRACT: This paper presents a multi-lane ETC system that is designed to



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perform toll collection successfully even though a vehicle changes a lane or goes over two lanes. Two...

...collection of charge. The enforcement camera system takes a picture of the vehicle that did not pay or did not pay correctly. The real time individual tracking system is used to match a vehicle classification data...

19/3,K/4 (Item 3 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00926841 DA

**TITLE: NEW JERSEY E-ZPASS SYSTEM : A FINANCIAL DEBACLE**

AUTHOR(S): Brown, Jennifer

JOURNAL: Stateline.org [online] Pag: 2 p.

SUPPLEMENTAL NOTES: Publication Date: May 28, 2002. Remarks: Printout of web document from website of Stateline.org retained in PATH binder no. 14. Format: website

PUBLICATION DATE: 20020000 PUBLICATION YEAR: 2002

LANGUAGE: eng SUBFILE: PATH

SOURCE ACCESSION NUMBER: PATH Record Number 25393

AVAILABILITY: Item held at Univ. of Calif., Berkeley, Inst Transp Studies  
Lib Refer to: <http://www.lib.berkeley.edu/ITSL/services.html>

DATA SOURCE: UC Berkeley Transportation Library - PATH Database

ABSTRACT: New Jersey's electronic toll collection system may save motorists time, money and fuel, but lawmakers and transportation authorities are re learning that the state's E-ZPass system will not pay for itself. New Jersey's trouble with E-ZPass is important because it may...

19/3,K/5 (Item 4 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00743131 DA

**TITLE: SOCIAL COST COMPONENT OF AN EFFICIENT TOLL**

AUTHOR(S): Tellis, R; Khisty, CJ

CORPORATE SOURCE: Transportation Research Board, 2101 Constitution Avenue, NW, Washington, DC, 20418,

JOURNAL: Transportation Research Record Issue Number: 1576 Pag: pp 140-146

SUPPLEMENTAL NOTES: This paper appears in Transportation Research Record No. 1576, Financial, Economic, and Social Topics in Transportation.

PUBLICATION DATE: 19970000 PUBLICATION YEAR: 1997

LANGUAGE: English SUBFILE: HRIS (H)

ISSN: 03611981 ISBN: 0309062055

AVAILABILITY: Transportation Research Board Business Office; 2101 Constitution Avenue, NW ; Washington; DC ; 20418

ORDER NUMBER: N/A

TABLES: 1 Tab.

REFERENCES: 23 Ref.

ABSTRACT: Efficient tolls are tolls that ensure that the price paid by the roadway user is equal to the increment of social and private costs resulting from the highway use. Setting these tolls accomplishes an important objective: to correct the current practice that allows

driving to be subsidized...

...on vehicle ownership and unlimited access to the nation's cost-free roadways, drivers do **not pay** for the social costs they generate. If motorists were required to pay their fair share...

...a charge can be made for the social costs component in computing what an efficient **toll** should be. It is found that the social cost fee during nonpeak travel comes to...

19/3,K/6 (Item 5 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00737251 DA

**TITLE: ROAD PRICING FOR MOTORWAYS IN SPAIN**

AUTHOR(S): NWAGBOSO, CO(ED); CANTOS, P; PEREIRA, R; POVEDA, J

CORPORATE SOURCE: JOHN WILEY & SONS LTD, BAFFINS LANE, CHICHESTER, WEST SUSSEX, PO19 1UD, UNITED KINGDOM

JOURNAL: ROAD VEHICLE AUTOMATION II. TOWARDS SYSTEMS INTEGRATION. PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ROAD VEHICLE AUTOMATION, VEHICLE SYSTEMS RESEARCH CENTRE, FACULTY OF TECHNOLOGY, BOLTON INSTITUTE, BOLTON, UK, 11-13 SEPTEMBER 1995 Pag: 275-84

PUBLICATION DATE: 19970000 PUBLICATION YEAR: 1997

LANGUAGE: ENGLISH SUBFILE: IRRD (I)

IRRD DOCUMENT NUMBER: 887767

ISBN: 0-471-96726-2

REFERENCES: 12

DATA SOURCE: Transport Research Laboratory (TRL)

...ABSTRACT: separated. Firstly, there are 2,158 km exploited by 13 firms (mainly private), using conventional **tolls** in their itineraries (autopistas). Secondly, there are 7,084 km in 1992 of free motorways...

...into account (scarcity of obtained resources, inefficiencies derived from the fact that road users do **not pay** their cost, the problem of externalities). In this line, there are important discussions about the extension of **toll** system to autovias system. The introduction of electronic direct charging may be an instrument...

19/3,K/7 (Item 6 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00676190 DA

**TITLE: ROAD ACCOUNTS IN EUROPE**

AUTHOR(S): STELL, F

CORPORATE SOURCE: INTERNATIONAL ROAD FEDERATION, 63 RUE DE LAUSANNE, GENEVA, CH-1202, SWITZERLAND

Pag: 41P

PUBLICATION DATE: 19900000 PUBLICATION YEAR: 1990

LANGUAGE: ENGLISH SUBFILE: IRRD (I)

IRRD DOCUMENT NUMBER: 868815

DATA SOURCE: Transport Research Laboratory (TRL)

ABSTRACT: In an attempt to disprove allegations that road users do **not pay** sufficiently for the infrastructure they use, the author compares figures for income and expenditure on...

...tax, (c) annual ownership tax, (d) driving licence tax, (e) user tax on vehicles, f) **tolls** and (g) other taxes are considered. It is suggested that expenditure was 35.4% of...

19/3,K/8 (Item 7 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00615025 DA  
**TITLE: DEADWEIGHT LOSS IN HIGHWAY TOLL COLLECTION**  
AUTHOR(S): Seila, AF; Wilson, PW  
CORPORATE SOURCE: Pergamon Press plc, Headington Hill Hall, Oxford OX3 0BW, England  
JOURNAL: Transportation Research. Part B: Methodological Vol: 25B  
Issue Number: 2/3 Pag: pp 127-141  
PUBLICATION DATE: 19910400 PUBLICATION YEAR: 1991  
LANGUAGE: English SUBFILE: HRIS (H 9103)  
ISSN: 01912615  
BIBLIOGRAPHIC/DATA APPENDICES: 1 App.  
AVAILABILITY: Pergamon Press, Incorporated; Maxwell House, Fairview Park ; Elmsford ; NY ; 10523  
FIGURES: Figs. TABLES: 1 Tab.  
REFERENCES: Refs.

ABSTRACT: This paper examines the deadweight loss from collecting **tolls** on congested highways. Although this problem has been recognized in the literature, no attempt has...

...systematically examine the problem. Four economic models for commuter behavior associated with waiting at a **toll** booth were developed and analyzed. These models include (1) no **tolls** and no waiting, (2) **tolls** with no waiting, (3) waiting with no **tolls**, and (4) waiting with **tolls**. The results indicate that under quite reasonable circumstances, it may be optimal to not collect **tolls** if their collection requires that free-flowing traffic be stopped. In cases where traffic forms a queue because of a bottleneck, **tolls** may provide small welfare gains, but if **toll** collection creates waste in the form of administrative costs or rent-seeking behavior, the optimal solution may again be to **not charge tolls**.

19/3,K/9 (Item 8 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00497810 DA  
**TITLE: ROAD NETWORK IN ORISSA - A CRITICAL EVALUATION**  
AUTHOR(S): Srinivasan, SV  
CORPORATE SOURCE: Indian Roads Congress, Jamnagar House, Shahjahan Road, New Delhi 110011, India  
JOURNAL: Indian Highways Vol: 17 Issue Number: 7 Pag: 31-41  
PUBLICATION DATE: 19890700 PUBLICATION YEAR: 1989  
LANGUAGE: English SUBFILE: HRIS; IRRD (H; I)  
SOURCE ACCESSION NUMBER: IRRD 825685  
ISSN: 03767256  
AVAILABILITY: Indian Roads Congress; Jamnagar House, Shahjahan Road ; New Delhi 110011; India  
DATA SOURCE: Transport and Road Research Laboratory

...ABSTRACT: brought into the "core sector" and given plan allocations of at least 10%; (2) additional **tolls** and taxes should be levied; (3) more roads in the state road network should be...

...expenditure on work-charged staff, fair weather roads, and flood and storm damage repair should **not** be **charged** to the maintenance and repair grant; and (8) improvements to road layouts and surfaces and...

19/3,K/10 (Item 9 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00493799 DA

**TITLE: THE APPLICATION OF LEARNING THEORY TO DRIVING CONFIDENCE: THE EFFECT OF AGE AND THE IMPACT OF RANDOM BREATH TESTING**

AUTHOR(S): Soames Job, RF

CORPORATE SOURCE: Pergamon Press plc, Headington Hill Hall, Oxford OX3 0BW, England

REPORT NUMBER: HS-040 699

JOURNAL: Accident Analysis and Prevention Vol: 22 Issue Number: 2

Pag: pp 97-107

PUBLICATION DATE: 19900400 PUBLICATION YEAR: 1990

LANGUAGE: English SUBFILE: HSL; HRIS (S; H 9002)

ISSN: 00014575

AVAILABILITY: Pergamon Press, Incorporated; Maxwell House, Fairview Park ; Elmsford ; NY ; 10523

FIGURES: 2 Fig.

REFERENCES: Refs.

...ABSTRACT: and flooding procedures, in which fear is extinguished and/or a response inconsistent with fear **is** learned. **Once** this procedure is complete the fear response is unlikely to be reinstated by messages pointing...

...they are superior drivers and therefore not at risk. News presentation of the huge road **toll** and multiple fatality crashes may only confirm to many people that they are better than...

...age, through the greater on-road fear-reducing experience and increased exposure to the road **toll** . This prediction was examined in surveys of 2,963 Australian drivers, conducted as part of...

...media campaign partly about the effects of alcohol (which was successful in reducing the road **toll** ) would decrease confidence in ability to drive under the influence of alcohol. Comparison of survey...

19/3,K/11 (Item 10 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00474892 DA

**TITLE: ECONOMIC ARGUMENTS ON TOLL ROADS**

AUTHOR(S): Johansen, F

CORPORATE SOURCE: Transportation Research Board, 2101 Constitution Avenue, NW , Washington, DC, 20418,

JOURNAL: Transportation Research Record Issue Number: 1107 Pag: pp 80-84

SUPPLEMENTAL NOTES: This paper appeared in Transportation Research Record

Search Report from Ginger R. DeMille

N1107, Private-Sector Involvement and Toll Road Financing in the  
Provision of Highways.

PUBLICATION DATE: 19870000 PUBLICATION YEAR: 1987

LANGUAGE: English SUBFILE: HRIS (H 8801)

ISSN: 03611981 ISBN: 0-309-04455-3

AVAILABILITY: Transportation Research Board Business Office; 2101  
Constitution Avenue, NW ; Washington; DC ; 20418

...ABSTRACT: uniquely suited to the collection of efficient road use  
prices. Because they affect resource allocation, **toll** rate levels  
need to be considered when decisions are made about the appropriateness  
of a **toll** scheme. It is argued that tolling (at rates above marginal  
costs) is equitable--those who benefit should pay--but beneficiaries  
may **not pay** in full or at all if they are not users of the **toll**  
road. Nevertheless, **tolls** are generally imposed for the purpose of  
raising additional net revenue, and they appear to...

...and increasing returns make roads a commercially viable enterprise only  
occasionally. Means other than explicit **tolls** may be better for  
attracting private intervention. High associated costs are a  
disadvantage of tolling...

...is important to ensure that effects on the economy at large, not only on  
the **toll** agency, are included in **toll** road analysis. This is not  
generally done and is the reason for this paper. There...

19/3,K/12 (Item 11 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00202383 DA

**TITLE: CONGESTION COST AND USE OF LAND FOR STREETS**

**AUTHOR(S):** Solow, RM

**CORPORATE SOURCE:** Bell J Economics & Management Science,

Vol: 4 Issue Number: 2 Pag: pp 602-18

PUBLICATION DATE: 19720900 PUBLICATION YEAR: 1972

LANGUAGE: English SUBFILE: HRIS (H)

...ABSTRACT: IN THE EQUILIBRIUM RENT GRADIENT THAN THE EARLIER THEORY HAD  
SUGGESTED. MORE IMPORTANT, IF CONGESTION **TOLLS** ARE **NOT CHARGED** ON  
CROWDED ROADS, LAND RENTS WILL REFLECT THE PRIVATE COSTS OF  
TRANSPORTATION, NOT THE FULL...

?

Search Report from Ginger R. DeMille

? show files

File 80:TGG Aerospace/Def.Mkts(R) 1986-2003/Aug 15

(c) 2003 The Gale Group

File 637:Journal of Commerce 1986-2003/Aug 19

(c) 2003 Commonwealth Bus. Media

? ds

Set	Items	Description
S1	1677	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	0	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE- RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1- W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN- ING)
S4	1	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W- ) (TWICE OR MORE() THAN() ONCE)
S5	1458	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE() TIME OR ONCE() ONL- Y)
S6	5026	TOLL OR TOLLS
S7	0	S2 OR S3
S8	0	S4 AND S6
S9	0	S7 OR S8
S10	0	RD (unique items)
S11	21	(S1 OR S5) (S) S6
S12	48	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	0	S5(S) S12
S14	0	RD (unique items)
S15	0	S10 OR S14
S16	1	S2 OR S3 OR S4 OR S10 OR S15
S17	1	RD (unique items)
S18	22	S11 OR S17
S19	17	RD (unique items)

? t19/3,k/all

19/3,K/1 (Item 1 from file: 637)

DIALOG(R) File 637:Journal of Commerce

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0006292576

**Germany delays highway tolls**

JOURNAL OF COMMERCE (JC) - August 1, 2003

By: BRUCE BARNARD - THE JOURNAL OF COMMERCE ONLINE

Edition: Web Section: LOGIS Page: WP

Word Count: 252

... chaos because of a shortage of truck-related hardware needed to collect the pass-through **toll** .

There is little chance, however, that the government will abandon the 14 cents-a-mile...

... for investment in rail freight. Germany is the only large continental European country that does **not charge** for the use of its roads prompting many hundreds of thousands of foreign trucks to...

... into the legality of an \$800 million government program to compensate domestic truckers for the **toll** .

Shippers and truckers won another reprieve after the European Court of Justice ordered Austria to...

19/3,K/2 (Item 2 from file: 637)

DIALOG(R)File 637:Journal of Commerce

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0006287627

**Fraud, Bribery, Etc.**

TRAFFIC WORLD (TW) - July 22, 2002

By: WILLIAM B. CASSIDY

Section: FRONT Page: 08

Word Count: 1792

... manager of corporate affairs for OSI Proyectos and a former Costa Rican government official, were **not charged** in the indictments.

Hernandez denied any bribery or wrongdoing in interviews last year with...

...said. "From that time we began to focus on the bribery aspect."

'Kiss money' and ' **tolls** '

The indictment and plea agreements signed by Reitz and Halford claim that King, Halford, Reitz...

... used to pay bribes," the documents said. The bribes were referred to as "kiss money," " **tolls** " and "closing costs." In particular, they planned to make a grand attempt to win the...

19/3,K/3 (Item 3 from file: 637)

DIALOG(R)File 637:Journal of Commerce

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06278059

**Canadian agency to rebate part of annual toll increase**

JOURNAL OF COMMERCE (JC) - March 13, 2001

By: COURTNEY TOWER - JOC ONLINE

Edition: Web Section: OCEAN Page: WP

Word Count: 452

... agreement, a five-year business plan set targets for revenue, operating costs and asset renewal. **Tolls** , which had been frozen since 1994 and remain a subject of debate with the United...

... In our fourth year now, having met our targets each year, we are increasing the **tolls** by the 2% but rebating 1.5 0.000000or the 2001-2002 season," said Sylvie...

...and 1.5% will be subtracted from that. The upshot: a 0.5 0ncrease in **tolls** .

The new shipping season begins March 23, with the first ship passing through the St...

... the U.S. agency that oversees the Snell and Eisenhower locks in New York, does **not charge tolls** because its costs are covered by appropriations, including revenue from the Harbor Maintenance Tax. Imports...

19/3,K/4 (Item 4 from file: 637)

DIALOG(R)File 637:Journal of Commerce

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**Canada collects record in tolls on St. Lawrence**

JOURNAL OF COMMERCE (JC) - December 31, 1998

By: COURTNEY TOWER JOURNAL OF COMMERCE SPECIAL

Edition: Five Star Section: MARITIME Page: 9A

Word Count: 497

**TEXT:**

...opening for deep-draft navigation in 1959.

The large Canadian section raised \$80 million in **tolls**, the highest in the Seaway's history. That is expected to get the new commercial...

... of the Canadian section off to a good financial start. The U.S. section does **not charge tolls**.

**19/3,K/5 (Item 5 from file: 637)**

DIALOG(R)File 637:Journal of Commerce

(c) 2003 Commonwealth Bus. Media. All rts. reserv.

**Canada's new seaway boss readies shakeup of waterway**

JOURNAL OF COMMERCE (JC) - December 04, 1998

By: COURTNEY TOWER JOURNAL OF COMMERCE SPECIAL

Edition: Five Star Section: MARITIME Page: 3B

Word Count: 730

... An intractable dispute over years between the U.S. and Canadian governments had frozen Canadian **tolls**. The United States does **not charge** them on its section, and both sides had to agree on **toll** changes.

Canada broke that part of old agreement unilaterally this year to enable the SLSMC...

**19/3,K/6 (Item 6 from file: 637)**

DIALOG(R)File 637:Journal of Commerce

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**First Things First; U.S. binational seaway proposal panned by Canada as premature until not-for-profit company created**

TRAFFIC WORLD (TW) - February 23, 1998

By: ALEX BINKLEY

Section: INTL Page: 54

Word Count: 578

... Minister David Collenette said his nation wants the U.S. to lift its opposition to **toll** increases on the Canadian portion of the seaway. The U.S. does **not charge** for the use of its locks, and **tolls** have remained frozen on the Canadian locks since 1994.

Canada wants to raise tolls on...

**19/3,K/7 (Item 7 from file: 637)**

DIALOG(R)File 637:Journal of Commerce

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**Cart Before Horse?; Canada criticizes Oberstar proposal, saying it jumps gun on binational negotiations**



Search Report from Ginger R. DeMille

TRAFFIC WORLD (TW) - February 09, 1998  
By: DAVID BARNES  
Section: INTL Page: 39  
Word Count: 571

... annually for five years, Chretien spokesman Georges Rioux said last week.

The U.S. does **not charge tolls** for use of its two locks and opposes increases in Canadian **tolls**. Oberstar aides said last week a binational agency would cost less and could allow **tolls** to eventually be lowered.

While Oberstar said he developed the legislation in concert with Canadian...

**19/3,K/8 (Item 8 from file: 637)**  
DIALOG(R)File 637:Journal of Commerce  
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**WORLD BRIEFS**

JOURNAL OF COMMERCE (JC) - April 16, 1997  
By: Economist Intelligence Unit; Associated Press  
Edition: Five Star Section: TRADETAB Page: 13C  
Word Count: 904

...repair fees.

The commission said it also may add a new wrinkle by placing a "**toll cap**" on customers with poor credit, limiting the number of long-distance calls they could...

... companies, is needed because the state prohibits local phone companies from disconnecting customers who do **not pay** their long-distance bills. A limit has not been determined.

Under existing standards, the state...

**19/3,K/9 (Item 9 from file: 637)**  
DIALOG(R)File 637:Journal of Commerce  
(c) 2003 Commonwealth Bus. Media. All rts. reserv.

**Canada moves closer to privatizing Seaway**  
JOURNAL OF COMMERCE (JC) - July 22, 1996  
By: AVIVA FREUDMANN JOURNAL OF COMMERCE STAFF  
Edition: Five Star Section: TRANS Page: 2B  
Word Count: 789

... sharp difference of philosophy when it comes to financing the waterway. The United States does **not charge tolls**, and funds operations and maintenance with tax dollars. Ottawa charges **tolls** and is moving toward making the Seaway even more market-oriented by privatizing decision-making ...

**19/3,K/10 (Item 10 from file: 637)**  
DIALOG(R)File 637:Journal of Commerce  
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**Seaway Set for Steady Stream of Traffic**

JOURNAL OF COMMERCE (JC) - March 22, 1995  
By: LEO RYAN Journal of Commerce Staff  
Edition: Five Star Section: SPEC Page: 6B  
Word Count: 712

...that matches the record early opening date set in 1980.

For the 1995 season, Canadian **tolls** will be frozen at their 1994 level. This was announced after tense bilateral negotiations during which Canada turned down a U.S. request for a 10 percent **toll** reduction. The United States does **not charge tolls**.

Brian Hollohan, associate director of forecasting for the Conference Board in Canada, said real growth...

**19/3,K/11 (Item 11 from file: 637)**

DIALOG(R)File 637:Journal of Commerce  
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**'94 Seaway Season Winds Up With a Sharp Rise in Traffic**

JOURNAL OF COMMERCE (JC) - December 30, 1994  
By: LEO RYAN Journal of Commerce Staff  
Edition: Five Star Section: MARITIME Page: 1B  
Word Count: 759

...March or early April after the annual winter shutdown.

It was recently announced that Canadian **tolls** will be frozen at their present level for the 1995 season. This followed tense negotiations...

... turned down a U.S. call for a 10 percent reduction. The United States does **not charge tolls** on the system.

Seaway Traffic 1984-94

(In millions of metric tons)

This table shows...

**19/3,K/12 (Item 12 from file: 637)**

DIALOG(R)File 637:Journal of Commerce  
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**Four EU Countries Implement Uniform Road-Use Fees Jan. 1 with 'Eurodisc'**

TRAFFIC WORLD (TW) - December 26, 1994  
By: Charles Recknagel  
Section: INTL Page: 13  
Word Count: 873

...Belgium from a non-disc adjoining state, for example France, may have to pay a **toll** to use Belgian highways prior to purchasing a Eurodisc ticket at the German, Dutch or Luxembourg border. Trucks coming into Belgium from disc nations, however, **will not pay** additionally to use Belgian roads. The temporary situation puts pressure on Belgium to become a...

**19/3,K/13 (Item 13 from file: 637)**  
DIALOG(R)File 637:Journal of Commerce  
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**US Seaway Agency Waives Charges for Late Transit**  
JOURNAL OF COMMERCE (JC) - December 27, 1994  
By: PAUL F. CONLEY Journal of Commerce Staff  
Edition: Five Star Section: MARITIME Page: 8B  
Word Count: 438

... battle between the United States and Canada over Seaway costs. The United States, which does **not charge tolls** on the system, had sought a 10 percent cut for next season in Canadian rates...

**19/3,K/14 (Item 14 from file: 637)**  
DIALOG(R)File 637:Journal of Commerce  
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**US Seaway Planners Urged To Do Away With Tolls**  
JOURNAL OF COMMERCE (JC) - February 22, 1994  
By: SHERI VAZZANO Knight-Ridder Newspapers  
Edition: Five Star Section: MARITIME Page: 7B  
Word Count: 362

The congressman said abandoning **tolls** would attract businesses that now **won't pay** the cost of shipping their wares along the St. Lawrence Seaway. Both countries have agreed to freeze 1994 **tolls** at 1993 rates, but the decision on **tolls** for 1995 is still being negotiated.

"I applaud you, Mr. Parris, for your efforts and...

**19/3,K/15 (Item 15 from file: 637)**  
DIALOG(R)File 637:Journal of Commerce  
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**Port Manatee Fights Proposed Fee for Channel Use**  
JOURNAL OF COMMERCE (JC) - December 03, 1992  
By: CYNTHIA RUPERT Knight-Ridder Newspapers  
Edition: Five Star Section: MARITIME Page: 8B  
Word Count: 444

...U.S. Army Corps of Engineers to keep the channel dredged, he added.

The proposed **toll** would **not pay** for the corps to keep the channel dredged, Mr. Scroggins said, but would help pay...

**19/3,K/16 (Item 16 from file: 637)**  
DIALOG(R)File 637:Journal of Commerce  
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**Worldwide air cargo network being planned by ten carriers**  
TRAFFIC WORLD (TW) - January 13, 1992  
By: by Paul Page  
Section: COVER Page: 9  
Word Count: 904

...GLS is expensive; GLS doesn't. We also have to ensure that a user would

not be charged twice because he is accessing two systems."

Phipps, insisting GLS is doing well, said an American...

19/3,K/17 (Item 17 from file: 637)

DIALOG(R)File 637:Journal of Commerce

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**Transport Costs Irk Argentine Farmers**

JOURNAL OF COMMERCE (JC) - April 23, 1991

By: RICHARD KESSLER Knight-Ridder Financial

Edition: Five Star Section: TRANS Page: 2B

Word Count: 560

...United States, but they did not support their assertion with data. Rural leaders urged farmers **not** to **pay** the reduced **tolls** in open defiance of the government, prompting Domingo Cavallo, economy minister, to warn **toll** evaders they would be jailed. Meanwhile, with both sides snarling at each other, the government...

?

Search Report from Ginger R. DeMille

? show files

File 348:EUROPEAN PATENTS 1978-2003/Aug W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030814,UT=20030807

(c) 2003 WIPO/Univentio

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Set	Items	Description
S1	4789	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	0	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE-RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	1	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1-W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN-ING)
S4	4	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W- ) (TWICE OR MORE()THAN()ONCE)
S5	46648	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONL-Y)
S6	5077	TOLL OR TOLLS
S7	511	S1 AND S5
S8	49	S1(S)S5
S9	5	S3 OR S4
S10	6	S6 AND S8
S11	6	S10 NOT S9
S12	297	(VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S13	6	(S1 OR S3 OR S4 OR S5) (3S)S12
S14	6	S13 NOT (S3:S4 OR S9:S11)
?		

Search Report from Ginger R. DeMille

S5 46648 (WILL OR IS OR CHARGED) (1W) (ONCE OR ONE() TIME OR ONCE() ONL-  
Y)  
S6 5077 TOLL OR TOLLS  
S7 511 S1 AND S5  
S8 49 S1(S) S5  
S9 5 S3 OR S4  
S10 6 S6 AND S8  
S11 6 S10 NOT S9  
S12 297 (VEER? OR LEAV? OR EXIT? OR SWERV?) (3W) (ROAD OR HIGHWAY OR  
STREET OR TARMAC?)  
? s (s1 or s3 or s4 or s5) (3s) s12  
4789 S1  
1 S3  
4 S4  
46648 S5  
297 S12  
S13 6 (S1 OR S3 OR S4 OR S5) (3S) S12  
? s s13 not (s3:S4 or s9:s11)  
6 S13  
5 S3:S4  
11 S9:S11  
S14 6 S13 NOT (S3:S4 OR S9:S11)  
? t14/3,k/all

14/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01466845

**Non-stop toll collection method and system**

**Nonstopgebuhrenerfassungssystem und Verfahren**

**Procede et systeme de perception de droits de peage en continu**

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),

(Applicant designated States: all)

INVENTOR:

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PATENT (CC, No, Kind, Date): EP 1249794 A1 021016 (Basic)

APPLICATION (CC, No, Date): EP 2002007581 020403;

PRIORITY (CC, No, Date): JP 2001106317 010404

DESIGNATED STATES: DE; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07B-015/00; G08G-001/017; G08G-001/056

ABSTRACT WORD COUNT: 142

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200242	2513
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SPEC A	(English)	200242	6255
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Total word count - document A	8768
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Total word count - document B	0
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Total word count - documents A + B	8768
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...SPECIFICATION vehicle (vehicle-mounted device) entering the toll road

Search Report from Ginger R. DeMille

but from a vehicle (vehicle-mounted device) **exiting** the toll **road** . In addition, the system according to the present invention may be configured, for use in...

...wireless devices) as a vehicle moving in the opposite direction and therefore this vehicle is **not charged** .

In addition, the present invention may be applied to a direction guide system for blind...

14/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01228608

ACCOUNTING SYSTEM

ABRECHNUNGSSYSTEM

SYSTEME COMPTABLE

PATENT ASSIGNEE:

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TERADA, Haruhiko, 2-153-3, Kajita-cho, Obu-shi, Aichi 474-0071, (JP)

LEGAL REPRESENTATIVE:

Leson, Thomas Johannes Alois, Dipl.-Ing. (78982), Tiedtke-Buhling-Kinne & Partner GbR, TBK-Patent, Bavariaring 4, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1197924 A1 020417 (Basic)

WO 200067207 001109

APPLICATION (CC, No, Date): EP 2000915528 000414; WO 2000JP2437 000414

PRIORITY (CC, No, Date): JP 99121825 990428

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G07B-015/00; G08G-001/0969; G01C-021/00

ABSTRACT WORD COUNT: 166

NOTE:

Figure number on first page: 0002

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200216	2524
SPEC A	(English)	200216	11715
Total word count - document A			14239
Total word count - document B			0
Total word count - documents A + B			14239

...SPECIFICATION 938 at the time that "vehicle entry" is reported.

Thereafter, the reporting station 930 does **not** emit **charge** requests to the IDs for which charging has been completed, and emits charge requests only...into the management side history table. Next, on the basis of the position data, the **leaving road** (area entrance and exit date) is specified, and the amount of vehicles **exiting** at that **leaving**

Search Report from Ginger R. DeMille

road of the vehicle entrance/exit database TDB 938 is incremented by 1 (48).

Then, if...

14/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00825147

A DEVICE AND A SYSTEM, CARRIED BY A VEHICLE, FOR REMOTE COMMUNICATION IN AN ESTABLISHMENT

EINE IN EINEM FAHRZEUG ANGEORDNETE VORRICHTUNG UND SYSTEM ZUR FERNUBERTRAGUNG IN EINER ANLAGE

DISPOSITIF ET SYSTEME EMBARQUES, DESTINES A LA TELEGESTION AU SEIN D'UNE INFRASTRUCTURE

PATENT ASSIGNEE:

COMBITECH TRAFFIC SYSTEMS AB, (2134390), P.O. Box 1063, 551 10 Jonkoping, (SE), (Proprietor designated states: all)

INVENTOR:

MOSTROM, Thomas, Folkungagatan 13, S-554 54 Jonkoping, (SE)

LEGAL REPRESENTATIVE:

Bergquist, Kjell Gunnar et al (91161), Albihns Goteborg AB, Box 142, 401 22 Goteborg, (SE)

PATENT (CC, No, Kind, Date): EP 958550 A1 991124 (Basic)  
EP 958550 B1 030108  
WO 96038819 961205

APPLICATION (CC, No, Date): EP 96916414 960524; WO 96SE677 960524

PRIORITY (CC, No, Date): SE 951972 950530; SE 954532 951215

DESIGNATED STATES: DE; FR; IT; SE

INTERNATIONAL PATENT CLASS: G07B-015/00

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; Swedish

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200302	1294
CLAIMS B	(German)	200302	1162
CLAIMS B	(French)	200302	1398
SPEC B	(English)	200302	7171
Total word count - document A			0
Total word count - document B			11025
Total word count - documents A + B			11025

...SPECIFICATION and thereupon uses a section of a road. Stationary installations can also be arranged at **exits** from a toll **road**. One can thereby moderate the road toll according to the length of the part of...

...collecting parking charges. It is reasonable however that parking in one's own place is **not charged** at all, but however the driving from the zone border to and from the parking...

14/3,K/4 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00740889 \*\*Image available\*\*

THE TRAFFIC INFORMATION AND PRICING (TIP) SYSTEM

SYSTEME DE PEAGE ET DE RENSEIGNEMENTS RELATIFS A LA CIRCULATION



Search Report from Ginger R. DeMille

Patent Applicant/Inventor:

DE JONGE Wiebren, Alex Bennostraat 4, NL-1325 PB Almere-Stad, NL, NL  
(Residence), NL (Nationality)

Legal Representative:

HOOIVELD Arjen Jan Winfried, Arnold & Siedsma, Sweelinckplein 1, NL-2517  
GK The Hague, NL

Patent and Priority Information (Country, Number, Date):

Patent: WO 200054240 A1 20000914 (WO 0054240)

Application: WO 2000NL161 20000309 (PCT/WO NL0000161)

Priority Application: NL 1011501 19990309

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: Dutch

Fulltext Word Count: 56906

Fulltext Availability:

Claims

Claim

... i.e. if it is in itself protected in such a way that it does **not**  
**pay** or is not practically feasible to forge that component. With forging  
is not only meant...the inspection trap consists of a section of road  
where there is no opportunity to **leave** the **road** between the beginning  
and the end of the trap, then it has one entrance and...can arrange  
sufficiently that only rendering the original identification device  
inoperative by destruction or removal **will not pay** off at all, by  
putting sanctions on the absence of a correct functioning identification  
device...the basis of limited increases, such fraud with meter readings  
will not be possible or **not pay** anymore. We now have discussed how an  
agent can guarantee monotony and that an agent...

14/3,K/5 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00740687 \*\*Image available\*\*

**METHODS AND APPARATUS FOR PREVENTING VEHICLE ACCIDENTS**

**PROCEDES.ET APPAREIL SERVANT A PREVENIR DES ACCIDENTS DE LA CIRCULATION**

Patent Applicant/Assignee:

INTELLIGENT TECHNOLOGIES INTERNATIONAL INC, P.O. Box 8, Denville, NJ  
07834, US, US (Residence), US (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

BREED David S, 48 Hillcrest Road, Boonton Township, Morris County, NJ  
07005, US, US (Residence), US (Nationality), (Designated only for: US)

DUVALL Wilbur E, 57 Northwoods Drive, Kimberling City, MO 65686, US, US  
(Residence), US (Nationality), (Designated only for: US)

JOHNSON Wendell C, Suite 137, 11315 Rancho Bernardo Road, San Diego, CA  
92127, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

ROFFE Brian, 366 Longacre Avenue, Woodmere, NY 11598-2417, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200054008 A1 20000914 (WO 0054008)

Search Report from Ginger R. DeMille

Application: WO 2000US6236 20000310 (PCT/WO US0006236)  
Priority Application: US 99123882 19990311  
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 24826

Fulltext Availability:  
Detailed Description

Detailed Description

... of vehicles equipped with the control system increases, the need for the collision forecasting system **will** diminish.

**Once** again, the operator will continue to control his vehicle provided he or she remains within...

...within a certain spacing tolerance from the preceding vehicle. If a vehicle operator wishes to **exit** a congested **highway**, he could

4  
operate his turn signal that would inform the control system of this desire and permit the vehicle to safely **exit** from the **highway**. It can also inform other adjacent vehicles of the operator's intent, which could then...

14/3,K/6 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00437313

**RADIO LINK QUALITY HANDOFF TRIGGER**

**DECLenchement de Transfert de Qualite d'une Liaison Radioelectrique**

Patent Applicant/Assignee:

NORTHERN TELECOM LIMITED,  
CURTIS David E,  
BOOK William B,  
BOETTGER David A,  
JALALI Ahmad,

Inventor(s):

CURTIS David E,  
BOOK William B,  
BOETTGER David A,  
JALALI Ahmad,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9827777 A2 19980625  
Application: WO 97IB1579 19971217 (PCT/WO IB9701579)  
Priority Application: US 96769650 19961219

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU  
ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK  
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN  
TD TG

Search Report from Ginger R. DeMille

Publication Language: English

Fulltext Word Count: 4927

Fulltext Availability:

Detailed Description

Detailed Description

... CDMA, to provide seamless coverage for travelers between such areas. However, as a mobile unit **exits** the **highway** , it also exits CDMA coverage area, eventually resulting in a call-in-progress being dropped...

...to handoff a call from a CDMA network to an AMPS network on which it **is** overlaid **once** the call has degraded to a point at which it appears that the call will...

?

? t9/3,k/all

9/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00316404

**A charging device.**

**Aufladevorrichtung.**

**Dispositif de charge.**

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,  
Tokyo, (JP), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Araya, Junji, 1-30-40-225 Higashiterao Tsurumi-ku, Yokohama-shi  
Kanagawa-ken, (JP)

Saito, Masanobu, Canon-ryo 1-19-3 Aobadai Midori-ku, Yokohama-shi  
Kanagawa-ken, (JP)

Kisu, Hiroki, 2-13-7 Shimokaizuka, Ichikawa-shi Chiba-ken, (JP)

Tomoyuki, Yohji, Canon-ryo 1-9-8 Kaminomiya Tsurumi-ku, Yokohama-shi  
Kanagawa-ken, (JP)

Nakamura, Shunji, 1-33-39-303 Higashiterao Tsurumi-ku, Yokohama-shi  
Kanagawa-ken, (JP)

Koitaabashi, Noribumi, Canon-ryo 13-4 Kakinokidai Midori-ku, Yokohama-shi  
Kanagawa-ken, (JP)

Adachi, Hiroyuki, 2-2-1 Miyasaka Setagaya-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick  
Court High Holborn, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 308185 A2 890322 (Basic)

EP 308185 A3 890823

EP 308185 B1 931124

APPLICATION (CC, No, Date): EP 88308464 880913;

PRIORITY (CC, No, Date): JP 87230333 870914; JP 87230334 870914; JP

87251294 871005; JP 87331149 871226; JP 87331150 871226

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G03G-015/02;

ABSTRACT WORD COUNT: 89

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1058
CLAIMS B	(German)	EPBBF1	956
CLAIMS B	(French)	EPBBF1	1181
SPEC B	(English)	EPBBF1	10223

Total word count - document A 0

Total word count - document B 13418

Total word count - documents A + B 13418

...SPECIFICATION the peak-to-peak voltage of the vibratory voltage applied  
to the charging roller is **not less than twice** the absolute value of  
the charge starting voltage when the charging roller is supplied only...

9/3,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00240152

**Semiconductor memory circuit.**

**Halbleiterspeicherschaltung.**

Search Report from Ginger R. DeMille

**Circuit de memoire a semi-conducteurs.**

**PATENT ASSIGNEE:**

FUJITSU LIMITED, (211460), 1015, Kamikodanaka Nakahara-ku, Kawasaki-shi  
Kanagawa 211, (JP), (applicant designated states: DE;FR;GB;NL)

**INVENTOR:**

Takemae, Yoshihiro, 13-24-303, Akasaka 8-chome Minato-ku, Tokyo 107, (JP)

**LEGAL REPRESENTATIVE:**

Fane, Christopher Robin King et al (30511), HASELTINE LAKE & CO. Hazlitt  
House 28 Southampton Buildings Chancery Lane, London, WC2A 1AT, (GB)

PATENT (CC, No, Kind, Date): EP 239913 A2 871007 (Basic)

EP 239913 A3 880330

EP 239913 B1 901010

APPLICATION (CC, No, Date): EP 87104318 811022;

PRIORITY (CC, No, Date): JP 80147771 801022; JP 80147773 801022

DESIGNATED STATES: DE; FR; GB; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 50529

INTERNATIONAL PATENT CLASS: G11C-011/407

ABSTRACT WORD COUNT: 209

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	613
CLAIMS B	(German)	EPAB95	578
CLAIMS B	(French)	EPAB95	695
SPEC B	(English)	EPAB95	5778
Total word count - document A			0
Total word count - document B			7664
Total word count - documents A + B			7664

...SPECIFICATION electrode e1 of the capacitor are commonly connected together. The gate g2 of the depletion **type MIS transistor** receives the voltage V ( sub(SS)) and the second electrode e12 of the enhancement type...

...transistor Q(sub 1)(sub 1) is not turned ON and the bit line is **not charged**.

**Returning** to Fig. 8, after the write operation or refresh operation is performed with respect to...

**9/3,K/3 (Item 1 from file: 349)**

DIALOG(R) File 349:PCT FULLTEXT

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00743904 \*\*Image available\*\*

**SYSTEM AND METHOD FOR QUICK DOWNLOAD OF SOFTWARE FILES**

**SYSTEME ET PROCEDE DE TELECHARGEMENT RAPIDE DE FICHIERS DE LOGICIEL**

**Patent Applicant/Assignee:**

B I S ADVANCED SOFTWARE SYSTEMS LTD, Bar Ilan University, P.O. Box 1531,  
52115 Ramat Gan, IL, IL (Residence), IL (Nationality), (For all  
designated states except: US)

**Patent Applicant/Inventor:**

MIRON Mordechay, Fishman Maimon Street 7, 64236 Tel Aviv, IL, IL  
(Residence), IL (Nationality), (Designated only for: US)

**Legal Representative:**

EITAN PEARL LATZER & COHEN-ZEDEK, Gav Yam Center 2, Shenkar Street 7,  
46725 Herzlia, IL

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200057272 A1 20000928 (WO 0057272)

Search Report from Ginger R. DeMille

Application: WO 2000IL179 20000321 (PCT/WO IL0000179)  
Priority Application: US 99273257 19990322  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 10959

Fulltext Availability:  
Detailed Description

Detailed Description

... the user generally has to  
complete the payment details form again and trust the he **will not be**  
**charged twice** by the shop. It is also expected that downloading bug  
fixes to the software will...

9/3,K/4 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
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00511768 \*\*Image available\*\*

**INFORMATION ACCESS CONTROL SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE DE CONTROLE D'ACCES A DES INFORMATIONS**

Patent Applicant/Assignee:

DIGITAL VIDEO EXPRESS L P,  
GOLDSCHLAG David M,  
KRAVITZ David W,

Inventor(s):

GOLDSCHLAG David M,  
KRAVITZ David W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9943120 A1 19990826

Application: WO 99US3275 19990219 (PCT/WO US9903275)

Priority Application: US 9875433 19980220; US 9881766 19980415; US  
9881739 19980415; US 9897845 19980825; US 98110021 19981125; US  
99116002 19990115

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM  
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM  
GA GN GW ML MR NE SN TD TG

Publication Language: English  
Fulltext Word Count: 21949

Fulltext Availability:  
Detailed Description

Detailed Description

... match,

40

then the source sets the Time Remaining to NO (S1206). Thus the user  
**will not be charged twice** when the play, of for example a DVID

Search Report from Ginger R. DeMille

disk, has been interrupted.

The authentication of...

9/3,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00344093

**STORED PROGRAM PAY-PER-PLAY**

**PAIEMENT A LA LECTURE DE PROGRAMMES ENREGISTRES**

Patent Applicant/Assignee:

SMART VCR LIMITED PARTNERSHIP,

Inventor(s):

RUSSO James,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9626605 A1 19960829

Application: WO 96US2454 19960223 (PCT/WO US9602454)

Priority Application: US 95394380 19950224

Designated States: CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 7681

Fulltext Availability:

Detailed Description

Detailed Description

... pick up at that

point without an additional charge, thus ensuring that an operator is **not charged twice** for selecting the same program more than once. After enjoying the same program in its...

?

Search Report from Ginger R. DeMille

? t11/3,k/all

11/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00963611 \*\*Image available\*\*

**EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM  
FOR RENTAL VEHICLE SERVICES  
SYSTEME INFORMATIQUE INTERENTREPRISES A ELEMENTS MULTIPLES A ACCES INTERNET  
POUR SERVICES DE LOCATION DE VEHICULES**

Patent Applicant/Assignee:

THE CRAWFORD GROUP INC, 600 Corporate Park Drive, St. Louis, MO 63105, US  
, US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

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DE VALLANCE Kimberly Ann, 2037 Silent Spring Drive, Maryland Heights, MO  
63043, US, US (Residence), US (Nationality), (Designated only for: US)

HASELHORST Randall Allan, 1016 Scenic Oats Court, Imperial, MO 63052, US,  
US (Residence), US (Nationality), (Designated only for: US)

KENNEDY Craig Stephen, 9129 Meadowglen Lane, St. Louis, MO 63126, US, US  
(Residence), US (Nationality), (Designated only for: US)

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KLOPFENSTEIN Anita K, 433 Schwarz Road, O'Fallon, IL 62269, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HAFERKAMP Richard E (et al) (agent), Howell & Haferkamp, L.C., Suite  
1400, 7733 Forsyth Blvd., St. Louis, MO 63105-1817, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200297700 A2 20021205 (WO 0297700)

Application: WO 2001US51431 20011019 (PCT/WO US0151431)

Priority Application: US 2000694050 20001020

Parent Application/Grant:

Related by Continuation to: US 2000694050 20001020 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 237932

Fulltext Availability:

Detailed Description

Detailed Description

... Mandatory To Send Allow Field Changes Action

y N/A error

code 01, missing

could not correct

In all other cases, the format field remains unchanged regardless of the  
database field...loading e-message header and detail lines for any



Search Report from Ginger R. DeMille

mandatory data to be sent that is missing from the record format and the ARMS database.

1.) MANDATORY TO SEND FIELD IS...

11/3,K/2 (Item 2 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00933152 \*\*Image available\*\*

**EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM  
FOR RENTAL VEHICLE SERVICES  
SYSTEME INFORMATIQUE ETENDU ENTRE ENTREPRISES, A FONCTIONS MULTIPLES,  
FONCTIONNANT SUR LE WEB, POUR DES SERVICES DE LOCATION DE VEHICULES**

Patent Applicant/Assignee:

THE CRAWFORD GROUP INC, 600 Corporate Park Drive, St. Louis, MO 63105, US  
, US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

WEINSTOCK Timothy Robert, 1845 Highcrest Drive, St. Charles, MO 63303, US  
, US (Residence), US (Nationality), (Designated only for: US)  
DE VALLANCE Kimberly Amm, 2037 Silent Spring Drive, Maryland Heights, MO  
63043, US, US (Residence), US (Nationality), (Designated only for: US)  
HASELHORST Randall Allan, 1016 Scenic Oats Court, Imperial, MO 63052, US,  
US (Residence), US (Nationality), (Designated only for: US)  
KENNEDY Craig Stephen, 9129 Meadowglen Lane, St. Louis, MO 63126, US, US  
(Residence), US (Nationality), (Designated only for: US)  
SMITH David Gary, 10 Venice Place Court, Wildwood, MO 63040, US, US  
(Residence), US (Nationality), (Designated only for: US)  
TINGLE William T, 17368 Hilltop Ridge Drive, Eureka, MO 63025, US, US  
(Residence), US (Nationality), (Designated only for: US)  
KLOPFENSTEIN Anita K, 433 Schwarz Road, O'Fallon, IL 62269, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HAFERKAMP Richard E (et al) (agent), HOWELL & HAFERKAMP, L.C., Suite  
1400, 7733 Forsyth Blvd., St. Louis, MO 63105-1817, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200267175 A2 20020829 (WO 0267175)  
Application: WO 2001US51437 20011019 (PCT/WO US0151437)  
Priority Application: US 2000694050 20001020

Parent Application/Grant:

Related by Continuation to: US 2000694050 20001020 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 243912

Fulltext Availability:

Detailed Description

Detailed Description

... om the input data queue (DQAM61V1) that program AM0061V1 generated as  
input to th ogram.

Search Report from Ginger R. DeMille

Once a shutdown data queue entry is received, then send this shutdown  
ta queue entry to...

11/3,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING  
DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
AND METHOD THEREOF  
PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES  
STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN  
ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET  
PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill  
Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 157840

Fulltext Availability:

Detailed Description

Detailed Description

... s) and related components based upon projected availability. If the  
number of nodes under review is small, once this information is  
deten-nined, then the optimized discounted fixed and interconnection  
costs for this...office has a number of outgoing lines to one or more  
nearby switching centers, called toll offices. These lines are called  
toll connecting trunks. If both the caller's and the receiver's end  
offices happen to have a toll connecting trunk to the same toll  
office, the connection may be established within the toll office.

If the caller and the recipient of the call do not share a toll office,  
then the path will have to be established somewhere higher up in the  
hierarchy. There are sectional and regional offices that forin a network  
by which the toll offices are connected. The toll , sectional, and  
regional exchanges communicate with each other via high bandwidth inter-  
toll trunks. The number of different kinds of switching centers and

their specific topology varies from...office has a number of outgoing lines to one or more nearby switching centers, called **toll** offices. These lines are called.

**toll** connecting trunks. If both the caller's and the receiver's end offices happen to have a **toll** connecting trunk to the same **toll** office, the connection may be established within the **toll** office.

If the caller and the recipient of the call do not share a **toll** office, then the path will have to be established somewhere higher up in the hierarchy. There are sectional and regional offices that form a network by which the **toll** offices are connected. The **toll**, sectional, and regional exchanges communicate with each other via high bandwidth inter-**toll** trunks. The number of different kinds of switching centers and their specific topology varies from...

11/3,K/4 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00764320 \*\*Image available\*\*

**ACCESS AND PAYMENT MECHANISMS FOR WEB SERVICES**

**MECANISMES D'ACCES ET DE PAIEMENT POUR SERVICES WEB**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)

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02109, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200077748 A1 20001221 (WO 0077748)

Application: WO 2000US15641 20000607 (PCT/WO US0015641)

Priority Application: US 99329709 19990610; US 99329813 19990610

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI  
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10002

Fulltext Availability:

Detailed Description

Detailed Description

... upon the extent of usage of the Internet services by the client. The payment mechanism is a "one time" mechanism in that the client separately pays for each session of usage of the Internet...

...is based upon the - 7 quantity of usage by the client; hence, the client does **not** pay excessive charges for resources the client does not consume.

Search Report from Ginger R. DeMille

In the illustrative embodiment, a session...Figure 7A).. The client may be provided with a given telephone number, such as a **toll** free number, that the client may call to gain access to the payment web site... provided by the ISP (step 160 in Figure 12). This may be, for example, a **toll** free number. The ISP then sends a form to the client to request payment information...

11/3,K/5 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00761429

**METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE BASED ON SUCH ASSESSED NEEDS**

**PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN SERVICE SUR LA BASE DE CES BESOINS**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,  
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,  
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073955 A2 20001207 (WO 0073955)

Application: WO 2000US14357 20000524 (PCT/WO US0014357)

Priority Application: US 99321495 19990527

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 148469

Fulltext Availability:

Detailed Description

Detailed Description

... boundaries are well defined. However, this implies that the architecture must be defined at the **time** of prototyping.

Specific multi-platform prototyping facilities may be required when developing and deploying applications...re-started and that the integrity of the information will be maintained.

In what order **will** hardware and software components be started I shutdown? Based upon the technical requirements of the...

11/3,K/6 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00432616

**A COMMUNICATION SYSTEM ARCHITECTURE**

**SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE  
COMMUNICATION**

Patent Applicant/Assignee:

MCI COMMUNICATIONS CORPORATION,  
ELLIOTT Isaac K,  
STEELE Rick D,  
GALVIN Thomas J,  
LAFRENIERE Lawrence L,  
KRISHNASWAMY Sridhar,  
FORGY Glen A,  
REYNOLDS Tim E,  
SOLBRIG Erin M,  
CERF Vinton,  
GROSS Phil,  
DUGAN Andrew J,  
SIMS William A,  
HOLMES Allen,  
SMITH Robert S II,  
KELLY Patrick J III,  
GOTTLIEB Louis G,  
COLLIER Matthew T,  
WILLE Andrew N,  
RINDE Joseph,  
LITZENBERGER Paul D,  
TURNER Don A,  
WALTERS John J,  
EASTEP Guido M,  
MARSHALL David D,  
PRICE Ricky A,  
SALEH Bilal A,

Inventor(s):

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GALVIN Thomas J,  
LAFRENIERE Lawrence L,  
KRISHNASWAMY Sridhar,  
FORGY Glen A,  
REYNOLDS Tim E,  
SOLBRIG Erin M,  
CERF Vinton,  
GROSS Phil,  
DUGAN Andrew J,  
SIMS William A,  
HOLMES Allen,  
SMITH Robert S II,  
KELLY Patrick J III,  
GOTTLIEB Louis G,  
COLLIER Matthew T,  
WILLE Andrew N,  
RINDE Joseph,  
LITZENBERGER Paul D,  
TURNER Don A,  
WALTERS John J,  
EASTEP Guido M,  
MARSHALL David D,  
PRICE Ricky A,

Search Report from Ginger R. DeMille

SALEH Bilal A,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9823080 A2 19980528  
Application: WO 97US21174 19971114 (PCT/WO US9721174)  
Priority Application: US 96751203 19961118; US 96751668 19961118; US  
96752271 19961118; US 96758734 19961118; US 96751209 19961118; US  
96751661 19961118; US 96752236 19961118; US 96752487 19961118; US  
96752269 19961118; US 96751923 19961118; US 96751658 19961118; US  
96752552 19961118; US 96751933 19961118; US 96751663 19961118; US  
96746899 19961118; US 96751915 19961118; US 96752400 19961118; US  
96751922 19961118; US 96751961 19961118  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU  
ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD  
TG  
Publication Language: English  
Fulltext Word Count: 168195  
Fulltext Availability:  
Detailed Description

Detailed Description

... office has a number of outgoing lines to one or more nearby switching centers, called **toll** offices. These lines are called **toll** connecting trunks. If both the caller's and the receiver's end offices happen to have a **toll** connecting trunk to the same **toll** office, the connection may be established within the **toll** office. If the caller and the recipient of the call do not share a **toll** office, then the path will have to be established somewhere higher up in the hierarchy. There are sectional and regional offices that form a network by which the **toll** offices are connected. The **toll**, sectional, and regional exchanges communicate with each other via high bandwidth inter-**toll** trunks. The number of different kinds of switching centers and their specific topology varies from...NCS/DAP 3 include.

Number Translation for 800, 900, VNET Numbers;  
Range Restrictions to restrict **toll** calling options and advanced parametric routing including Time of Day, Day of Week/Month, Point...of their service.

Loosely Coupled: services obtain and use network resources only when needed; customers **pay** for only what they use. Bandwidth is available on demand, and without pre-allocation.

Secure...capabilities, identified hardware issues and identified application issues  
7 x 24 customer support  
a single **toll** free number (800 or 888) with direct access to the customer service group seamless first...The voice quality across the Internet is good, but not as good as typical telephone **toll** quality.

In addition, there are significant delays experienced during the conversation. Trying to interrupt a...the nearest dial out unit to the number called results in a long distance or **toll** call, as discussed in PC to PSTN case. The situation here is different to the extent that notification must be by voice, and authorization to do a long distance, or **toll** call dial out must be made by touch tones. In the event of a long...service. A charge can be made for directory service as well as for

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registration (a **one time** fee plus a monthly fee), call setup, but probably not for duration.

Duration is already...

?

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? show files

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200353

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File 344:Chinese Patents Abs Aug 1985-2003/Mar

(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)

(c) 2003 JPO & JAPIO

File 371:French Patents 1961-2002/BOPI 200209

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? ds

Set	Items	Description
S1	1995	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGE OR CHARGED OR - PAY)
S2	1	(TEMPORAR? OR MOMENTAR?) (1W) (VEER? OR LEAVE OR EXIT OR SWE- RVE? OR LEAVING) (3W) (ROAD OR HIGHWAY OR STREET OR TARMAC?)
S3	0	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGED) (1- W) (REENTRY? OR RE()ENTRY? OR REENTER? OR RE()ENTER? OR RETURN- ING)
S4	1	("NOT" OR WON()T OR WILL() "NOT") (1W) (CHARGED OR CHARGE) (1W- ) (TWICE OR MORE()THAN()ONCE)
S5	20138	(WILL OR IS OR CHARGED) (1W) (ONCE OR ONE()TIME OR ONCE()ONL- Y)
S6	5852	TOLL OR TOLLS
S7	5	S1 AND S5
S8	7	S1 AND S6
S9	14	S2 OR S4 OR S7:S8

? t9/4/all

**9/4/1 (Item 1 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 2001-520991/200157|

XR- <XRPX> N01-385915|

TI- **Toll** free call service provision system for telecommunication  
network, controls connection of source terminal to one of servers  
depending on information received from source terminal|

PA- KANSAI NIPPON DENKI TSUSHIN SYSTEM KK (KANS-N); NEC CORP (NIDE )|

AU- <INVENTORS> IZUMI A; OKADA H; TSUJII T|

NC- 002|

NP- 002|

PN- US 20010015973 A1 20010823 US 2001790508 A 20010223 200157 B|

PN- JP 2001237991 A 20010831 JP 200046493 A 20000223 200158|

AN- <LOCAL> US 2001790508 A 20010223; JP 200046493 A 20000223|

AN- <PR> JP 200046493 A 20000223|

LA- US 20010015973(13); JP 2001237991(11)|

AB- <PN> US 20010015973 A1|

AB- <NV> NOVELTY - The system has a source terminal (10) for making **toll**  
free call on called party pays line of a circuit switched network  
(100). Servers (20) are connected to internet protocol (IP) network  
(200), allowing transmission and reception of information in IP  
packets. A connection controller (2) controls connection of the source  
terminal to one of the servers depending on information received from  
source terminal.|

AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included  
for connection control method in **toll** free service system.

USE - For allowing **toll** free calls in telecommunication networks.

ADVANTAGE - Since communication is made through called party pays



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line on circuit switched network, the user is **not charged** for the communication service and the company is billed for communication charges on the called party pays line.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic configuration of **toll** free call service system.

Connection controller (2)  
Source terminal (10)  
Servers (20)  
Circuit switched network (100)  
Internet protocol network (200)  
pp; 13 DwgNo 2/7|

DE- <TITLE TERMS> **TOLL** ; FREE; CALL; SERVICE; PROVISION; SYSTEM;  
TELECOMMUNICATION; NETWORK; CONTROL; CONNECT; SOURCE; TERMINAL; ONE;  
SERVE; DEPEND; INFORMATION; RECEIVE; SOURCE; TERMINAL|

DC- W01|

IC- <MAIN> H04L-012/66; H04M-015/08|

IC- <ADDITIONAL> H04L-012/14; H04L-012/50; H04M-003/00; H04M-003/42;  
H04M-011/00; H04M-015/00|

MC- <EPI> W01-A06B7; W01-A06F; W01-A06G1; W01-A06G3; W01-C06|

FS- EPI||

9/4/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*

AA- 2001-511664/200156|

TI- Method for automatically collecting **toll** for allowing free lane changing and without deceleration|

PA- KOREA ELECTRONICS & TELECOM RES INST (KOEL-N)|

AU- <INVENTORS> AHN D H; HAN G C; KIM M T; OH H S; YE C I|

NC- 001|

NP- 001|

PN- KR 2001017857 A 20010305 KR 9933592 A 19990816 200156 B|

AN- <LOCAL> KR 9933592 A 19990816|

AN- <PR> KR 9933592 A 19990816|

LA- KR 2001017857(1)|

AB- <PN> KR 2001017857 A|

AB- <NV> NOVELTY - An automatic **toll** collecting scheme is provided to reduce errors of charging and of deciding an illegal vehicle and to easily establish, maintain, and repair facilities and a roadside communication device.|

AB- <BASIC> DETAILED DESCRIPTION - A **toll** adjustment area is divided into an area A, and an area B. Adjustment-confirm information(or number) is given to a vehicle mount device(15) finishing a fare adjustment procedure of the area A from a roadside device. The vehicle mount device storing the confirm information answers the confirm information to the roadside device in area B. The roadside device verifies the confirm information. The roadside device and the mount devices perform a partial process of a fare adjustment in area A and store the partial information on the performed result. The stored information is used in area B as the remaining fare adjustment is performed. The roadside device classifies vehicles **not charged** and processed abnormally in area B with short questions and answers. Therefore, a vehicle speed is not decelerated and a lane change is acceptable.

pp; 1 DwgNo 1/10|

DE- <TITLE TERMS> METHOD; AUTOMATIC; COLLECT; **TOLL** ; ALLOW; FREE; LANE;  
CHANGE; DECELERATE|

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DC- T05|  
IC- <MAIN> G07B-015/00|  
MC- <EPI> T05-C03|  
FS- EPI||

**9/4/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*  
AA- 2001-469598/200151|  
XR- <XRPX> N01-348585|  
TI- Parking fee receipt system for unmanned parking place, charges minimal or no fee, if the duration for which the vehicle has parked in parking place is less than a predetermined threshold value|  
PA- MATSUSHITA DENKI SANGYO KK (MATU )|  
NC- 001|  
NP- 001|  
PN- JP 2001167300 A 20010622 JP 99351675 A 19991210 200151 B|  
AN- <LOCAL> JP 99351675 A 19991210|  
AN- <PR> JP 99351675 A 19991210|  
LA- JP 2001167300(6)|  
AB- <PN> JP 2001167300 A|  
AB- <NV> NOVELTY - The duration during which vehicle is parked in the parking place is computed. If the computed time is less than a predetermined threshold value, then no charge is collected or only minimum fee is charged . Once the prescribed fee is settled, gate control section (16) raises the gate of parking place.|  
AB- <BASIC> DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for parking fee receipt procedure.  
USE - Parking fee receipt system for unmanned parking place.  
ADVANTAGE - If an vehicle is accidentally entered into parking place having parking fee receipt system by mistake, then no charge is collected or only less fee is collected, so that a user is not wrongly charged .  
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the components of parking fee receipt system. (Drawing includes non-English language text).  
Gate control section (16)  
pp; 6 DwgNo 1/2|  
DE- <TITLE TERMS> PARK; FEE; RECEIPT; SYSTEM; UNMANNED; PARK; PLACE; CHARGE ; MINIMUM; NO; FEE; DURATION; VEHICLE; PARK; PARK; PLACE; LESS; PREDETERMINED; THRESHOLD; VALUE|  
DC- T05|  
IC- <MAIN> G07B-015/00|  
MC- <EPI> T05-C01; T05-C03; T05-D02|  
FS- EPI||

**9/4/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*  
AA- 1996-311193/199632|  
XR- <XRPX> N96-261536|  
TI- Establishing toll free telecommunications call connection - determining whether destination requested by caller charges for call services, indicating to caller to allow connection or termination of call as required|

Search Report from Ginger R. DeMille

PA- AT & T CORP (AMTT ); AMERICAN TELEPHONE & TELEGRAPH CO (AMTT );  
 LUCENT TECHNOLOGIES INC (LUCE )|  
 AU- <INVENTORS> SMITH D B|  
 NC- 015|  
 NP- 006|  
 PN- EP 721277 A2 19960710 EP 95308520 A 19951128 199632 B|  
 PN- CA 2159392 A 19960608 CA 2159392 A 19950928 199639  
 PN- JP 8237366 A 19960913 JP 95344335 A 19951206 199647  
 PN- US 5742667 A 19980421 US 94350939 A 19941207 199823  
 <AN> US 96658767 A 19960605  
 PN- CA 2159392 C 19990907 CA 2159392 A 19950928 200003  
 PN- MX 190626 B 19981209 MX 954981 A 19951129 200045|  
 AN- <LOCAL> EP 95308520 A 19951128; CA 2159392 A 19950928; JP 95344335 A  
 19951206; US 94350939 A 19941207; US 96658767 A 19960605; MX 954981 A  
 19951129; CA 2159392 A 19950928|  
 AN- <PR> US 94350939 A 19941207; US 96658767 A 19960605|  
 CT- No-SR.Publ  
 FD- EP 721277 A2 H04M-015/00  
 <DS> (Regional): AT BE CH DE ES FR GB IT LI NL SE  
 FD- US 5742667 A H04M-015/08 Cont of application US 94350939|  
 LA- EP 721277(E<PG> 7); JP 8237366(7); US 5742667(6); CA 2159392(E)|  
 DS- <REGIONAL> AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE|  
 AB- <BASIC> EP 721277 A

The method involves establishing a **toll** free telecommunications call connection over a telecommunications network, and responds to the receipt of a call service request from a caller station. The request includes an identification of the **toll** free telecommunications destination, and it is determined whether the destination charges for the services on a call (202).

An audible or visual indication is provided from the network to the caller station if the destination does **not charge** (204) for the services. It is determined whether the caller station has a class of service which does not permit direct billed connections to destinations which charge for the services if the destination does charge, (210) and routes the call to an assistance system for further processing if so.

USE - Relates to arrangements for charging customers for **toll** free calls.

ADVANTAGE - Solves problem of caller not having positive assurance that call is in fact free of usage charges. Allows call to be terminated before unexpected charges are incurred.

Dwg.2/2|

DE- <TITLE TERMS> ESTABLISH; **TOLL** ; FREE; TELECOMMUNICATION; CALL; CONNECT  
 ; DETERMINE; DESTINATION; REQUEST; CALL; CHARGE; CALL; SERVICE;  
 INDICATE; CALL; ALLOW; CONNECT; TERMINATE; CALL; REQUIRE|  
 DC- W01|  
 IC- <MAIN> H04M-003/42; H04M-015/00; H04M-015/008; H04M-015/08; H04Q-003/00  
 |  
 IC- <ADDITIONAL> H04M-003/00; H04M-003/000; H04M-015/24|  
 MC- <EPI> W01-C02B9; W01-C06|  
 FS- EPI||

9/4/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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AA- 1995-023089/199503|

DX- <RELATED> 1995-022989|

XR- <XRPX> N95-017886|

TI- Registering vehicle in road **toll** location - using microwave transceivers for normal **toll** payment and camera systems to track and

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obtain licence number of vehicles which do **not pay** |

PA- SAAB-SCANIA COMBITECH AB (SAAB ); COMBITECH TRAFFIC SYSTEMS AB  
(COMB-N) |

AU- <INVENTORS> BLOMQVIST K; HJELMARE A; OLSSON L; BLOMQVIST K; BLOMOVIST K  
|

NC- 049|

NP- 015|

PN- WO 9428516 A1 19941208 WO 94SE504 A 19940527 199503 B|

PN- AU 9469402 A 19941220 AU 9469402 A 19940527 199512  
<AN> WO 94SE504 A 19940527

PN- BR 9406632 A 19960206 BR 946632 A 19940527 199612  
<AN> WO 94SE504 A 19940527

PN- NO 9504804 A 19960123 WO 94SE504 A 19940527 199613  
<AN> NO 954804 A 19951127

PN- EP 701723 A1 19960320 EP 94917861 A 19940527 199616  
<AN> WO 94SE504 A 19940527

PN- JP 8510852 W 19961112 WO 94SE504 A 19940527 199708  
<AN> JP 95500549 A 19940527

PN- CN 1124532 A 19960612 CN 94192266 A 19940527 199747

PN- AU 682697 B 19971016 AU 9469402 A 19940527 199801

PN- EP 701723 B1 19980812 EP 94917861 A 19940527 199836  
<AN> WO 94SE504 A 19940527

PN- DE 69412487 E 19980917 DE 612487 A 19940527 199843  
<AN> EP 94917861 A 19940527  
<AN> WO 94SE504 A 19940527

PN- ES 2122286 T3 19981216 EP 94917861 A 19940527 199906

PN- US 5859415 A 19990112 WO 94SE504 A 19940527 199910  
<AN> US 96553514 A 19960314

PN- SG 55815 A1 19990118 SG 968707 A 19940527 199930

PN- US 6109525 A 20000829 US 96553514 A 19960314 200043  
<AN> US 9845021 A 19980320

PN- NO 310005 B1 20010430 WO 94SE504 A 19940527 200128  
<AN> NO 954804 A 19951127|

AN- <LOCAL> WO 94SE504 A 19940527; AU 9469402 A 19940527; WO 94SE504 A  
19940527; BR 946632 A 19940527; WO 94SE504 A 19940527; WO 94SE504 A  
19940527; NO 954804 A 19951127; EP 94917861 A 19940527; WO 94SE504 A  
19940527; WO 94SE504 A 19940527; JP 95500549 A 19940527; CN 94192266 A  
19940527; AU 9469402 A 19940527; EP 94917861 A 19940527; WO 94SE504 A  
19940527; DE 612487 A 19940527; EP 94917861 A 19940527; WO 94SE504 A  
19940527; EP 94917861 A 19940527; WO 94SE504 A 19940527; US 96553514 A  
19960314; SG 968707 A 19940527; US 96553514 A 19960314; US 9845021 A  
19980320; WO 94SE504 A 19940527; NO 954804 A 19951127|

AN- <PR> SE 933203 A 19930930; SE 931842 A 19930528|

CT- 1.Jnl.Ref; GB 2219881; JP 60010112; US 4555618; US 5204675; WO 9014640|

FD- WO 9428516 A1 G07B-015/00  
<DS> (National): AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP  
KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US UZ VN  
<DS> (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE

FD- AU 9469402 A G07B-015/00 Based on patent WO 9428516

FD- BR 9406632 A G07B-015/00 Based on patent WO 9428516

FD- EP 701723 A1 G07B-015/00 Based on patent WO 9428516  
<DS> (Regional): AT BE CH DE ES FR GB IT LI NL SE

FD- JP 8510852 W G07B-015/00 Based on patent WO 9428516

FD- AU 682697 B G07B-015/00 Previous Publ. patent AU 9469402  
Based on patent WO 9428516

FD- EP 701723 B1 G07B-015/00 Based on patent WO 9428516  
<DS> (Regional): AT BE CH DE ES FR GB IT LI NL SE

FD- DE 69412487 E G07B-015/00 Based on patent EP 701723  
Based on patent WO 9428516

FD- ES 2122286 T3 G07B-015/00 Based on patent EP 701723

FD- US 5859415 A G07B-015/02 Based on patent WO 9428516

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FD- US 6109525 A G07B-015/02 CIP of application US 96553514  
 CIP of patent US 5859415  
 FD- NO 310005 B1 G07B-015/00 Previous Publ. patent NO 9504804|  
 LA- WO 9428516(E<PG> 22); EP 701723(E<PG> 1); JP 8510852(22); EP 701723(E)|  
 DS- <NATIONAL> AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ  
 LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US UZ VN|  
 DS- <REGIONAL> AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; OA;  
 PT; SE; LI|  
 AB- <BASIC> WO 9428516 A  
 The appts. for registration of vehicles which pass a road toll  
 point includes microwave appts. and video cameras. The multi-lane road  
 (2) has an overhead gantry (1) supporting the required appts. Microwave  
 transmitters (9) are located over each lane. Side cameras (8) detect  
 illegal travel on hard shoulders.  
 A central camera (9) monitors traffic to track vehicles while  
 passing the monitoring station. Camera pairs (10) associated with the  
 transmitters detect licence plates. Any vehicle which does **not**  
 correctly **pay** the **toll** is tracked and has its licence plate number  
 identified for subsequent payment actions.  
 ADVANTAGE - Provides free flow through **toll** station and  
 identification of vehicles which do **not** automatically **pay** .  
 Dwg.1/2|  
 DE- <TITLE TERMS> REGISTER; VEHICLE; ROAD; **TOLL** ; LOCATE; MICROWAVE;  
 TRANSCIEVER; NORMAL; **TOLL** ; PAY; CAMERA; SYSTEM; TRACK; OBTAIN;  
 LICENCE; NUMBER; VEHICLE; PAY|  
 DC- S02; T04; T05; T07; W02; W06|  
 IC- <MAIN> G07B-015/00; G07B-015/02|  
 IC- <ADDITIONAL> G06F-017/60; G07C-009/00; G08G-001/017; G08G-001/17|  
 MC- <EPI> T05-D02; T07-A03; W02-G05B; W06-A04B1|  
 FS- EPI||

9/4/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

IM- \*Image available\*  
 AA- 1991-179911/199125|  
 XR- <XRPX> N91-137852|  
 TI- Pulse width detecting circuit and PLL synthesiser - detects pulse width  
 of signal indicative of phase difference between reference and  
 oscillation frequencies|  
 PA- FUJITSU LTD (FUIT ); FUJITSU VLSI LTD (FUIV ); FUJITSU VLSI KK (FUIV  
 )|  
 AU- <INVENTORS> KOBAYASHI A; SAITO S|  
 NC- 004|  
 NP- 006|  
 PN- EP 433120 A 19910619 EP 90403253 A 19901116 199125 B|  
 PN- JP 3159318 A 19910709 JP 89300283 A 19891116 199133  
 PN- US 5189379 A 19930223 US 90614639 A 19901116 199310  
 <AN> US 92918124 A 19920723  
 PN- EP 433120 B1 19950215 EP 90403253 A 19901116 199511  
 PN- DE 69016965 E 19950323 DE 616965 A 19901116 199517  
 <AN> EP 90403253 A 19901116  
 PN- KR 9500246 B1 19950112 KR 9018551 A 19901116 199644|  
 AN- <LOCAL> EP 90403253 A 19901116; JP 89300283 A 19891116; US 90614639 A  
 19901116; US 92918124 A 19920723; EP 90403253 A 19901116; DE 616965 A  
 19901116; EP 90403253 A 19901116; KR 9018551 A 19901116|  
 AN- <PR> JP 89300283 A 19891116|  
 CT- EP 24878; EP 332467; GB 2180708; US 4408333|  
 FD- US 5189379 A H03K-005/26 Cont of application US 90614639

Search Report from Ginger R. DeMille

FD- EP 433120 B1 H03L-007/095  
FD- DE 69016965 E H03L-007/095 Based on patent EP 433120  
FD- KR 9500246 B1 H03L-007/001  
LA- US 5189379(18); EP 433120(E<PG> 21)|  
DS- <REGIONAL> DE; FR; GB|  
AB- <BASIC> EP 433120 A

PLL sync. circuit includes reference freq. generator (2) for generating reference freq. signal (SG2) and reference freq. clock signal (SGqk), a phase comparator (3) for comparing phase of reference freq. signal with output signal (SG3) and outputting pulsed phase difference signal (SG4). A voltage-controlled oscillator (6) generates an output signal having freq. dependent on phase difference signal.

A phase lock detecting circuit (200) determines whether phase difference signal has pulse width in which reference clock signal charges more than once. A phase lock detection signal is outputted representing that the PLL synthesizer circuit is in a phase-locked state when it is determined that the reference clock signal does **not charge more than once** in the pulse width of the phase difference signal.

USE/ADVANTAGE - Pulse width detecting circuit suitable for detecting the phase-locked state of PLL synthesizer circuit. (19pp  
Dwg.No. 7/12|

AB- <EP> EP 433120 B

A PLL synthesizer circuit comprising:

reference frequency generating means (1, 2) for generating a reference frequency signal (SG2) and a reference clock signal (SGqk);  
phase comparing means (3) for comparing a phase of said reference frequency signal with an output signal (SG3) and for outputting a phase difference signal (SG4) having a pulse form; and  
voltage-controlled oscillation means (4, 5, 6), coupled to said phase comparing means, for generating said output signal having a frequency dependent on said phase difference signal,  
phase lock detecting means (200, 300, 400), coupled to said phase comparing means,

characterized in that said phase lock detecting means comprises means for determining whether or not said phase difference signal has a pulse width in which said reference clock signal successively changes n times (n is a numeral equal to or greater than 2) and for outputting a phase lock detection signal (SG15, SG16, SG17) signalling that said PLL synthesizer circuit is in a phase-locked state when said reference clock signal does not successively change n times in said pulse width of said phase difference signal.

Dwg.7/12|

AB- <US> US 5189379 A

The PLL synthesiser circuit includes a reference frequency generator for producing a reference frequency signal and a reference clock signal, a phase comparator for comparing a phase of the reference frequency signal with an output signal and for outputting a phase difference signal having a pulse form, and a voltage-controlled oscillation device for generating the output signal having a frequency dependent on the phase difference signal.

The PLL synthesiser circuit also includes a phase lock detecting circuit for determining whether or not the phase difference signal has a pulse width in which the reference clock signal successively changes n times (n is numeral equal to or greater than 2) and for outputting a phase lock detection signal representing that the PLL synthesiser circuit is in a phase-locked state when it is determined that the reference clock signal does not successively change n times in the pulse width of the phase difference signal. A pulse width detecting circuit is provided for application of a phase lock/unlock detection in the PLL synthesiser.

Search Report from Ginger R. DeMille

ADVANTAGE - Correctly detects state of PLL synthesiser circuit.

Dwg.7/12|

DE- <TITLE TERMS> PULSE; WIDTH; DETECT; CIRCUIT; PLL; SYNTHESISER; DETECT;  
PULSE; WIDTH; SIGNAL; INDICATE; PHASE; DIFFER; REFERENCE; OSCILLATING;  
FREQUENCY|

DC- U22; U23|

IC- <MAIN> H03K-005/26; H03L-007/00; H03L-007/095|

IC- <ADDITIONAL> H03L-007/06; H03L-007/09; H03L-007/18; H03L-007/183|

MC- <EPI> U22-H; U23-D01A; U23-D01B|

FS- EPI||

9/4/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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IM- \*Image available\*

AA- 1988-016372/198803|

XR- <XRPX> N88-012248|

TI- Leaf spring for motor vehicle - has leaves with engaging formations at  
ends to allow relative movement|

PA- BRITISH PETROLEUM CO PLC (BRPE )|

AU- <INVENTORS> POTTER K D|

NC- 001|

NP- 001|

PN- GB 2192689 A 19880120 GB 8716748 A 19870716 198803 B|

AN- <LOCAL> GB 8716748 A 19870716|

AN- <PR> GB 8617538 A 19860717; GB 8716748 A 19870716|

FD- GB 2192689 A |

LA- GB 2192689(4)|

AB- <BASIC> GB 2192689 A

The leaf spring suitable for use in a vehicle suspension (1,2)  
comprises leaves of fibre reinforced composite material. The end  
portions of adjacent leaves having formations engaging each other. The  
engaging formations allow relative longitudinal movement between  
adjacent leaves and restraining relative lateral movement between the  
leaves.

The engaging formations comprises a first share tensile (downward)  
loads resulting from the wheels of the vehicle temporarily leaving  
the road surface.

ADVANTAGE - Provides fail safe mode.

1/3d|

DE- <TITLE TERMS> LEAF; SPRING; MOTOR; VEHICLE; LEAF; ENGAGE; FORMATION;  
END; ALLOW; RELATIVE; MOVEMENT|

DC- Q63|

IC- <ADDITIONAL> F16F-001/26|

FS- EngPI||

9/4/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

AA- 1980-L7974C/198049|

TI- Safety interlock for lawn mower ignition system - has rectifier and  
switch circuit connected in charge circuit of system and arranged  
responsive to particular unsafe condition|

PA- TECUMSEH PROD CO (TECV )|

AU- <INVENTORS> KROLSKI K L; MACLEOD J N|

NC- 001|

NP- 001|

Search Report from Ginger R. DeMille

PN- US 4233950 A 19801118 198049 B|  
AN- <PR> US 7932870 A 19790424; US 76736315 A 19761028|  
AB- <BASIC> US 4233950 A

In a capacitor-discharge breakerless ignition system for an internal combustion engine, a safety interlock comprising a rectifier and a switch responsive to a preselected unsafe vehicle condition in connected in the charge circuit of the ignition capacitor. The rectifier is poled in the forward capacitor charge-voltage direction and is connected with respect to the switch such that the capacitor is **not charged** or, **once** charged, is discharged prior to engine ignition in response to an unsafe condition indicated by the switch, or in response to intentional or accidental breakage and/or short-circuiting of interlock/ignition interconnection leads.

The rectifier and the switch are packaged separate from the rest of the ignition, to deter tampering with the switch alone, and to permit locating the switch and rectifier remote from the ignition circuit. In one application the rectifier-switch package is mounted on the handle of a rotary lawn mower to serve as a deadman switch|

DE- <TITLE TERMS> SAFETY; INTERLOCKING; LAWN; MOW; IGNITION; SYSTEM;  
RECTIFY; SWITCH; CIRCUIT; CONNECT; CHARGE; CIRCUIT; SYSTEM; ARRANGE;  
RESPOND; UNSAFE; CONDITION|  
DC- Q52; Q54; X22; X27|  
IC- <ADDITIONAL> F02B-077/08; F02P-001/08; F02P-003/08|  
MC- <EPI> X22-A01A; X22-D; X27-A|  
FS- EPI; EngPI||

9/4/9 (Item 1 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- CHARGING APPARATUS  
PN- 2002-223529 -JP 2002223529 A-  
PD- August 09, 2002 (20020809)  
AU- ICHI KAZUFUMI; KUBOTA ATSUMASA  
PA- MATSUSHITA ELECTRIC WORKS LTD  
AN- 2001-018522 -JP 20011018522-  
AN- 2001-018522 -JP 20011018522-  
AD- January 26, 2001 (20010126)  
H02J-007/02; H01M-010/44; H01M-010/48; H02J-007/04  
AB- PROBLEM TO BE SOLVED: To provide a charging apparatus for conducting refresh charging in a short time. SOLUTION: The charging apparatus has a charging-current supply section 10 for supplying a secondary battery 20 with a charging current, a battery hysteresis storage section 21 in which the number of the charging of the secondary battery 20 is stored and a control circuit 16 conducting overcharging up to approximately 150% of capacity, by the charging current of approximately 1C from the start of charging as refresh charging in a charging-current supply circuit section 20, when the state in which the secondary battery 20 is **not** charged even **once** or in a state in which a fixed number of normal charging has been previously conducted, after preceding refresh charging has been decided from the number of charging stored by the storage section 21. Usability can be improved by refresh-charging the secondary battery 20, without special operations by a user, while the secondary battery can be subjected to refresh charging in a time shorter than in the conventional examples. COPYRIGHT: (C)2002,JPO

9/4/10 (Item 2 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|



Search Report from Ginger R. DeMille

TI- **TOLL COLLECTION SYSTEM USING ETC(ELECTRONIC TOLL COLLECTION SYSTEM) AND SERVER COMPUTER**

PN- 2002-183784 -JP 2002183784 A-

PD- June 28, 2002 (20020628)

AU- TOMIOKA HISANORI

PA- MITSUBISHI ELECTRIC CORP

AN- 2000-384749 -JP 2000384749-

AN- 2000-384749 -JP 2000384749-

AD- December 19, 2000 (20001219)

G07B-015/00; G06F-017/60

AB- PROBLEM TO BE SOLVED: To solve the problem that the conventional use of ETC simply leads to the shortening of the passing time of a **toll** gate, but cannot solve the unfairness in **toll** in traffic circumstances. SOLUTION: This electronic **toll** collection system using ETC comprises an ETC on-vehicle device 300 provided on a vehicle and having the function of measuring the average speed per hour; an check point 200 for receiving a data signal; and a server computer 100 for receiving the data signal. In this system, the average speed per hour of the vehicle is calculated to determine a traveling section **toll** . Accordingly, the user of the electronic **toll** collection system using ETC can **not** only **pay** the tool while simply traveling on a tool road without stopping, but also pay the tool according to the traffic circumstances. COPYRIGHT: (C)2002,JPO

9/4/11 (Item 3 from file: 347)

FN- DIALOG(R)File 347:JAPIO|

CZ- (c) 2003 JPO & JAPIO. All rts. reserv. |

TI- METHOD FOR CONTROLLING NONVOLATILE SEMICONDUCTOR MEMORY

PN- 2000-011667 -JP 2000011667 A-

PD- January 14, 2000 (20000114)

AU- ICHIKAWA MAKI; NODA JUNICHIRO

PA- TOSHIBA CORP

AN- 10-168620 -JP 98168620-

AN- 10-168620 -JP 98168620-

AD- June 16, 1998 (19980616)

G11C-016/02; G11C-016/06

AB- PROBLEM TO BE SOLVED: To ensure a sufficient write time by controlling so that the source line potential becomes a specified power source potential in a specified period before the erase operation for the write operation to memory cells and previously charging gate capacitances of memory transistors of all on-cells on the same column as memory cells to write. SOLUTION: Before the write operation, the potential of a source line SL **is once** raised to a power source potential Vdd to previously charge gate capacitances of memory transistors MT2 of all on-cells on the same column as memory cells to write whereby if the source line SL is opened in the write operation for a first memory cell C1 to write, a booster circuit of a bit line BL does **not charge** the gate capacitance of a memory transistor MT2 of a second memory cell C2, i.e., an on-cell of other row on the same column through a first select transistor ST1 set on. COPYRIGHT: (C)2000,JPO

9/4/12 (Item 4 from file: 347)

FN- DIALOG(R)File 347:JAPIO|

CZ- (c) 2003 JPO & JAPIO. All rts. reserv. |

TI- ELECTRIC CONNECTOR BETWEEN ELECTRIC CONSTITUENT MEMBER ARRANGED MOVABLY, AND FLEXIBLE AND ELASTIC CONDUCTOR PATH SUPPORT

PN- 11-018266 -JP 11018266 A-

Search Report from Ginger R. DeMille

PD- January 22, 1999 (19990122)  
AU- GARTNER BERNHARD; SCHNELL MATTHIAS; WOLKE JOERG; SCHAEFER PETER;  
STEINMANN HANS-ERICH; TROGISCHE GUENTER  
PA- ROBERT BOSCH GMBH; CARL FREUDENBERG:FA  
AN- 10-144155 -JP 98144155-  
AN- 10-144155 -JP 98144155-  
AD- May 26, 1998 (19980526)  
PR- 19722006 [DE 19722006], DE (Germany), May 27, 1997 (19970527)  
H02G-011/00  
AB- PROBLEM TO BE SOLVED: To form a conductor path support stably in a  
burying region into a movable constituent member by reinforcing a  
conductor path support with elastic insulating films which are buried  
in injection material densely and have at least one supporting  
action. SOLUTION: A conductor path support 6 is reinforced with  
three layers 11, 12, and 13 which are positioned, overlapping one  
another in the burying region in an injected material 10. In this  
case, for the layers, the outside layer 11 ends immediately before or  
after the parting from the free hollow chamber **not charged** with  
injection material of the casing 3. Next the second layer 12 extends  
in the direction of the guide of the conductor path support, and  
following this, further the third layer 13 extends in the direction  
of the guide of the conductor path support. As a result, the  
conductor path support is stabilized as far as the region where the  
conductor path support extending continuously, starting with the  
injection material 10, **is** turned **once** more after projecting from,  
especially the injection material 10. COPYRIGHT: (C)1999,JPO

9/4/13 (Item 5 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- METHOD AND SYSTEM FOR SPECIFYING VEHICLE  
PN- 08-315196 -JP 8315196 A-  
PD- November 29, 1996 (19961129)  
AU- NAKANISHI TADASHI; KATOU KOUICHI; OSUMI NORIYOSHI; TOMONO AKIRA  
PA- NIPPON TELEGR & TELEPH CORP.<NTT> [000422] (A Japanese Company or  
Corporation), JP (Japan)  
AN- 07-114641 -JP 95114641-  
AN- 07-114641 -JP 95114641-  
AD- May 12, 1995 (19950512)  
IC- -6- G07B-015/00; G07B-015/00; G01S-013/78; H04N-007/18  
CL- 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.6  
(COMMUNICATION -- Television); 44.9 (COMMUNICATION -- Other)  
KW- R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)  
AB- PURPOSE: To provide a method and system for vehicle specification which  
can control an illegal vehicle that does **not pay** a **toll** or  
parking charge at a low cost as to a nonstop service using a  
free-flow system.

CONSTITUTION: This system has a 1st radio equipment 110 which is  
mounted on a vehicle 100 and given a characteristic identifier, a 2nd  
radio equipment 220 which acquires the characteristic identifier from  
the 1st radio equipment 110, a detecting means 210 which detects the  
passage of the vehicle 100, a photographing means 230 which picks up  
an image of the vehicle license plate number, a storage means 360  
which stores the characteristic identifier and license number, and a  
specifying means 330 which collates the license number retrieved from  
the storage means 360 according to the characteristic identifier with  
the photographed vehicle license number and specifies the illegal  
vehicle according to the collation result

Search Report from Ginger R. DeMille

9/4/14 (Item 6 from file: 347)

FN- DIALOG(R)File 347:JAPIO|  
CZ- (c) 2003 JPO & JAPIO. All rts. reserv.|  
TI- DEVICE AND METHOD FOR RECEIVING ELECTRONIC PROGRAM GUIDE  
PN- 08-289219 -JP 8289219 A-  
PD- November 01, 1996 (19961101)  
AU- TAKANO KOJI  
PA- SONY CORP [000218] (A Japanese Company or Corporation), JP (Japan)  
AN- 07-115194 -JP 95115194-  
AN- 07-115194 -JP 95115194-  
AD- April 17, 1995 (19950417)  
IC- -6- H04N-005/45; H04N-005/445; H04N-007/08; H04N-007/081; H04N-007/24;  
H04N-007/16  
CL- 44.6 (COMMUNICATION -- Television); 22.3 (MACHINERY -- Control &  
Regulation); 34.4 (SPACE DEVELOPMENT -- Communication)  
KW- R101 (APPLIED ELECTRONICS -- Video Tape Recorders, VTR); R116  
(ELECTRONIC MATERIALS -- Light Emitting Diodes, LED); R131  
(INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
AB- PURPOSE: To prevent a pay program from being viewed free and to  
simultaneously prevent the generation of an irrational situation that  
the toll program is displayed in a slave picture and its toll is  
charged for a user, by converting the image of the slave picture to  
any abnormal image corresponding to acquired pay information.

CONSTITUTION: It is discriminated from the acquired description of  
PPV- descriptor whether that program is pay one or not. When the  
program is not a pay one, a CPU 29 displays that program in a  
normal state. When that program is a pay program, on the other hand,  
it is discriminated whether that user (an IRD 2) is a permitted  
viewer or not. The ID of the user (user ID) of this IRD 2 and a flag  
for permitting the viewing of the pay program are recorded in a CAM  
33 in principle. When the user having this user ID does not pay  
the toll even after the viewing of the toll program, however, a  
broadcasting station inhibits the user having this user ID from  
viewing.

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